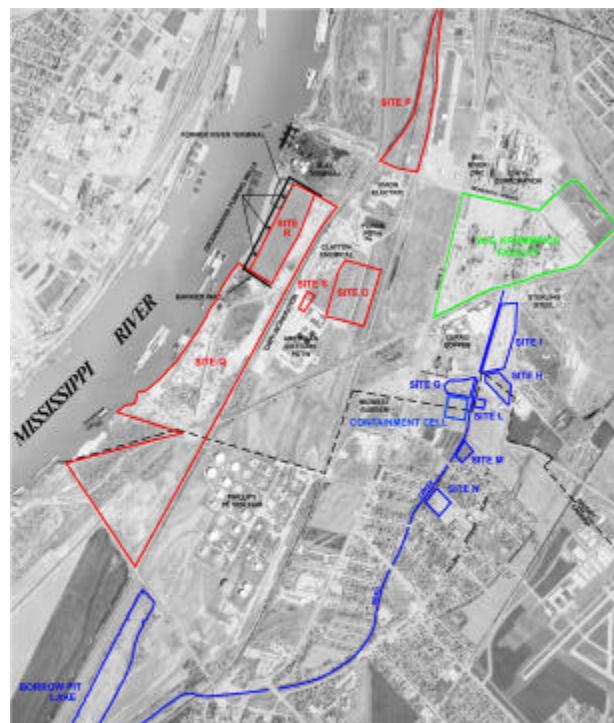


# RCRA CORRECTIVE MEASURES STUDY(CMS)

## SOLUTIA INC. W.G. KRUMMRICH FACILITY SAUGET, ILLINOIS

### CMS ADDENDUM II



*Prepared by:*  
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575 Maryville Centre  
Drive  
St. Louis, Missouri 63141



October 2004

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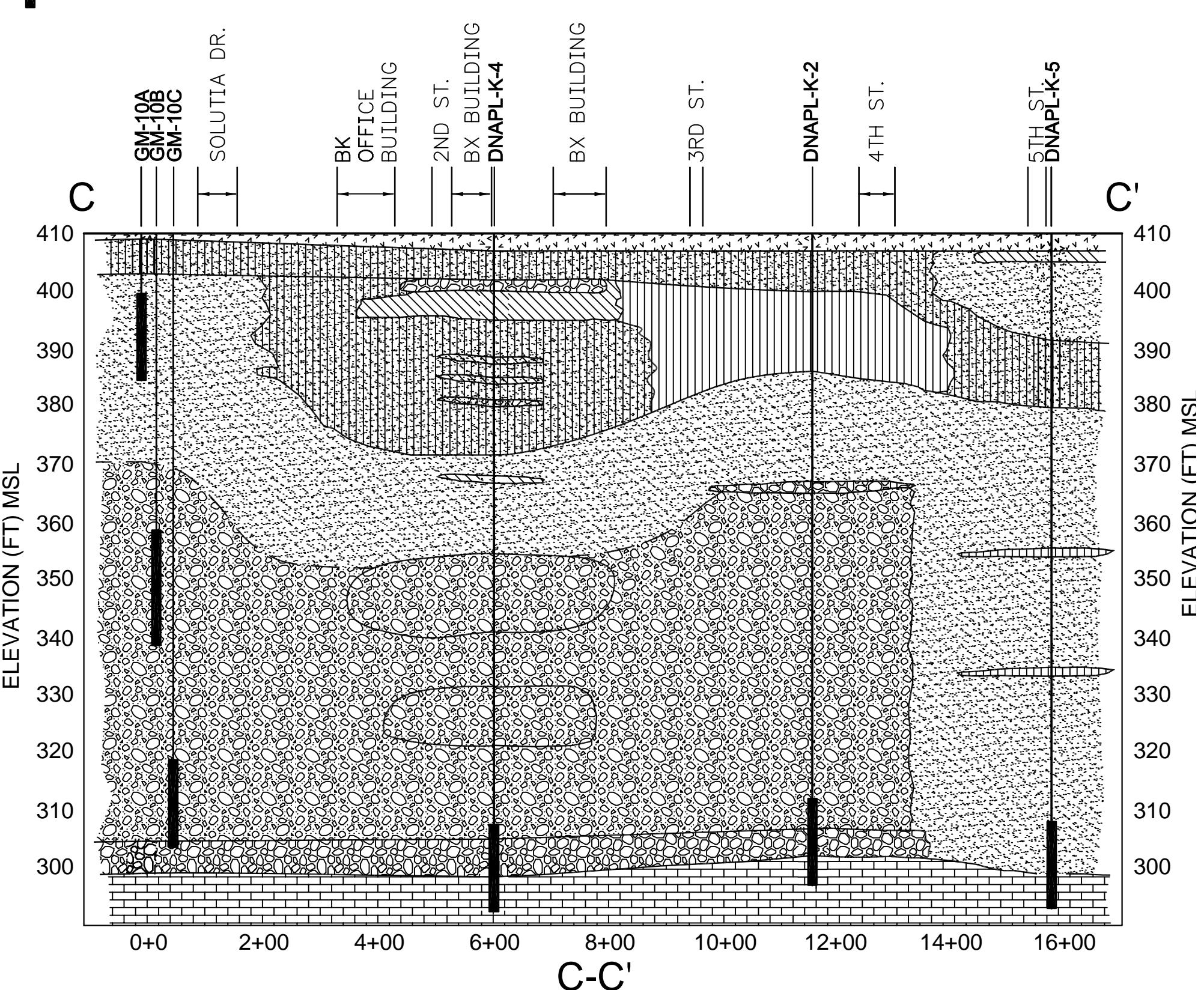
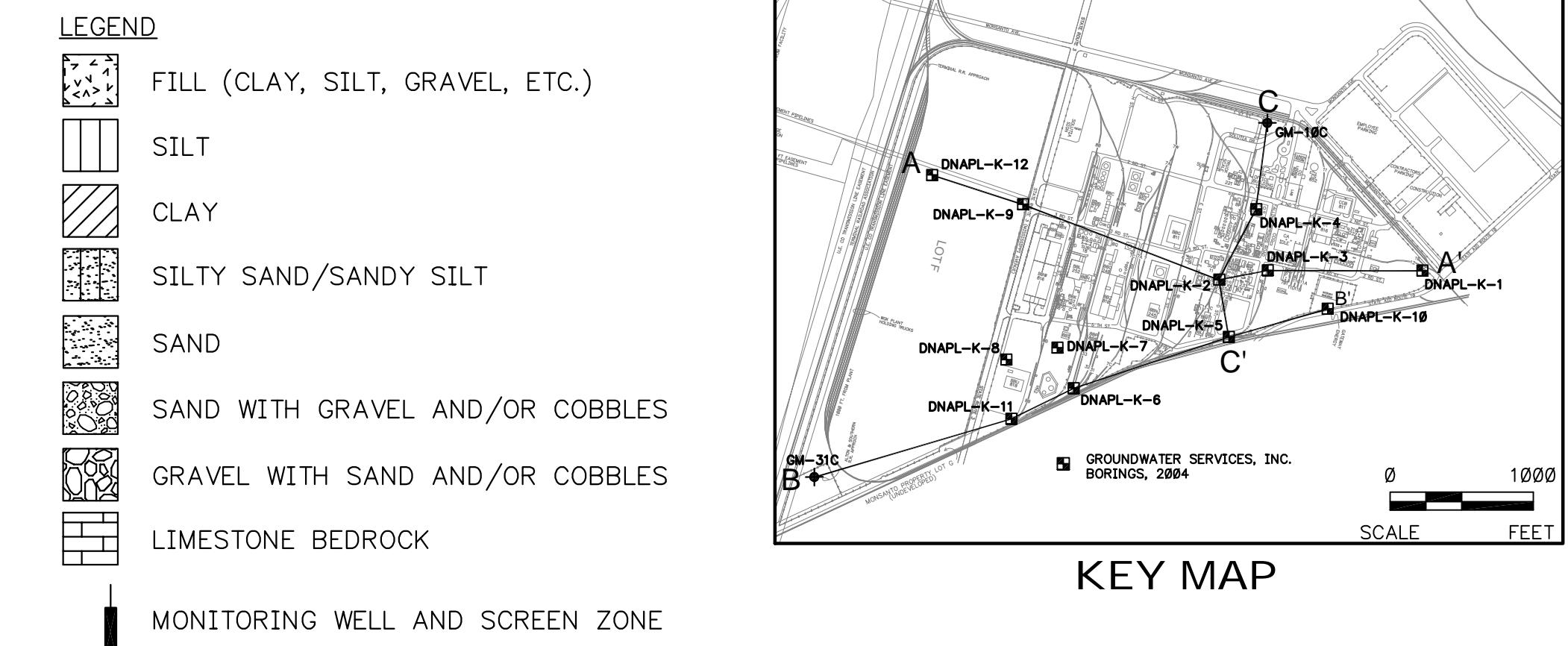
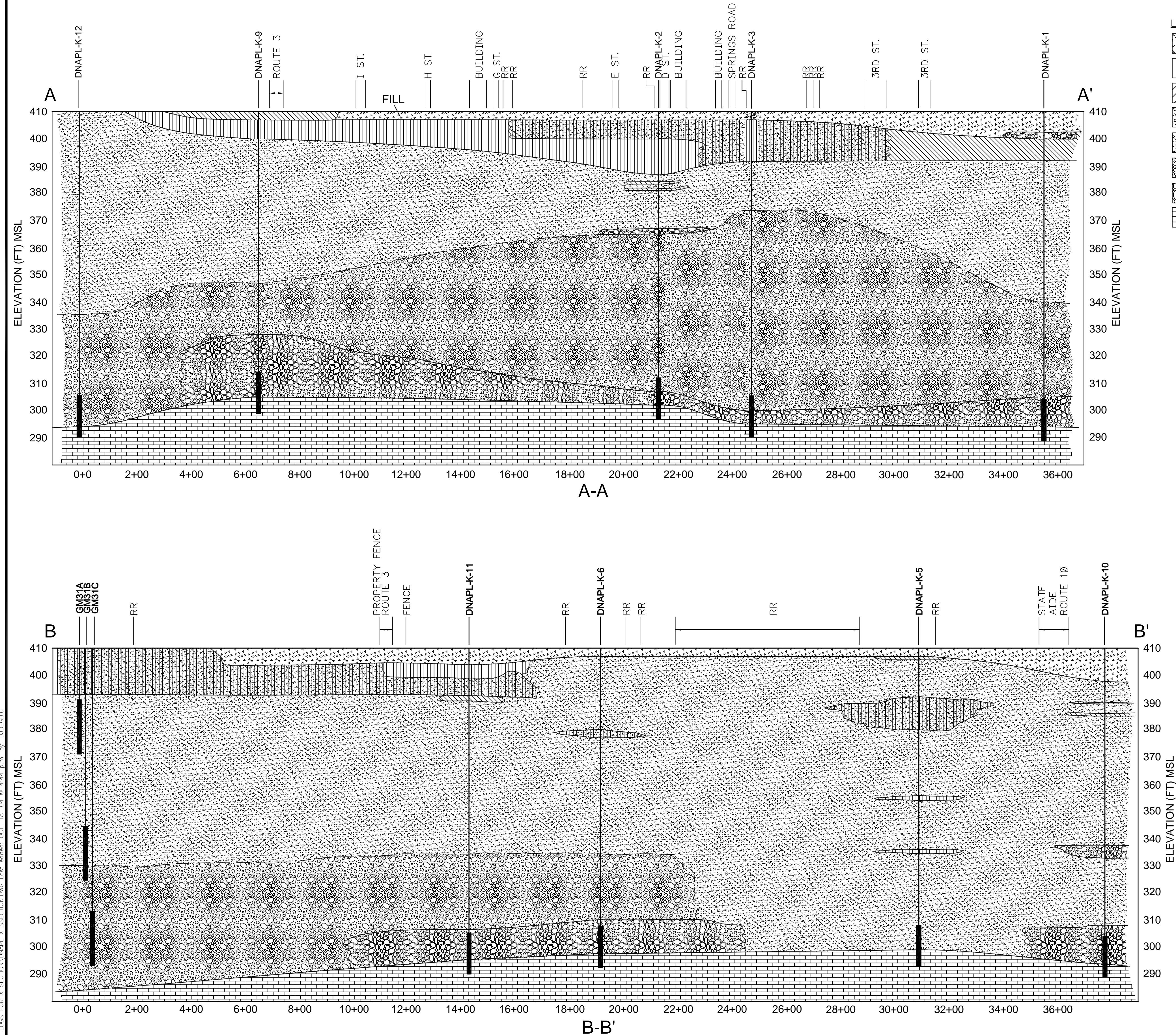
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**TABLE 1-1**  
**PIEZOMETER COMPLETION SUMMARY AND NAPL SURVEY**

Piezometer Identification	Gauged Total Well Depth (ft btoc)	Screened Interval (ft btoc)	Depth to Water (ft btoc)	NAPL Present	Comments
DNAPL-K-1	123.15	108.2-123.2	18.77	No	
DNAPL-K-2	112.5	97.63-112.63	11.71	No	
DNAPL-K-3	119.53	104.8-119.8	15.77	No	
DNAPL-K-4	116.75	102.55-117.55	13.23	Yes (DNAPL)	The methods used for verification are presented in Note 2.
DNAPL-K-5	116.60	102.15-117.15	15.56	No	
DNAPL-K-6	117.00	102.47-117.47	14.77	No	
DNAPL-K-7	115.20	100.40-115.40	12.71	No	
DNAPL-K-8	117.57	102.65-117.65	16.71	No	
DNAPL-K-9	112.42	97.42-112.42	12.25	No	
DNAPL-K-10	120.24	105.43-120.43	16.85	No	
DNAPL-K-11	120.34	105.46-120.46	16.66	No	
DNAPL-K-12	122.22	107.68-122.68	21.53	No	

Notes:

- 1.) The following three methods were used to check for the presence of NAPL (LNAPL/DNAPL): interface probe, clear polyethylene bailer and a weighted string.
- 2.) No LNAPL was indicated in any of the wells.
- 3.) DNAPL was observed in Piezometer DNAPL-K-4, only.
- 4.) No tone was indicated by the interface probe for the product in DNAPL-K-4. The presence of product was verified by visual observation with bailers and weighted string.
- 5.) The difference between total depth shown in the screen interval and gauged is most likely attributed to sediment.
- 6.) MSL=Mean Sea Level
- 7.) btoc= below top of casing



## NOTES:

- NOTES:

  - 1) SUBSURFACE CONDITIONS ARE GENERALIZED FROM INDIVIDUAL BORING LOGS FOR ILLUSTRATIVE PURPOSES. FOR WELLS GM-10C AND GM-31C INFORMATION WAS OBTAINED FROM THE DESCRIPTION OF CURRENT CONDITIONS (SOLUTIA, 2000)
  - 2) THE CROSS SECTIONS DEPICT GENERALIZED SITE CONDITIONS, AND ACTUAL SOIL CONDITIONS AND CONTACTS IN THE FIELD MAY BE DIFFERENT BETWEEN BORINGS.
  - 3) AN AVERAGE PLANT ELEVATION OF 410 WAS USED FOR THE TOP OF THE BORINGS.

The diagram consists of two scale bars. The top bar is labeled "VERTICAL SCALE FEET" and has tick marks at 0 and 20. The bottom bar is labeled "HORIZONTAL SCALE FEET" and has tick marks at 0 and 200.

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## **Geological Cross Sections**

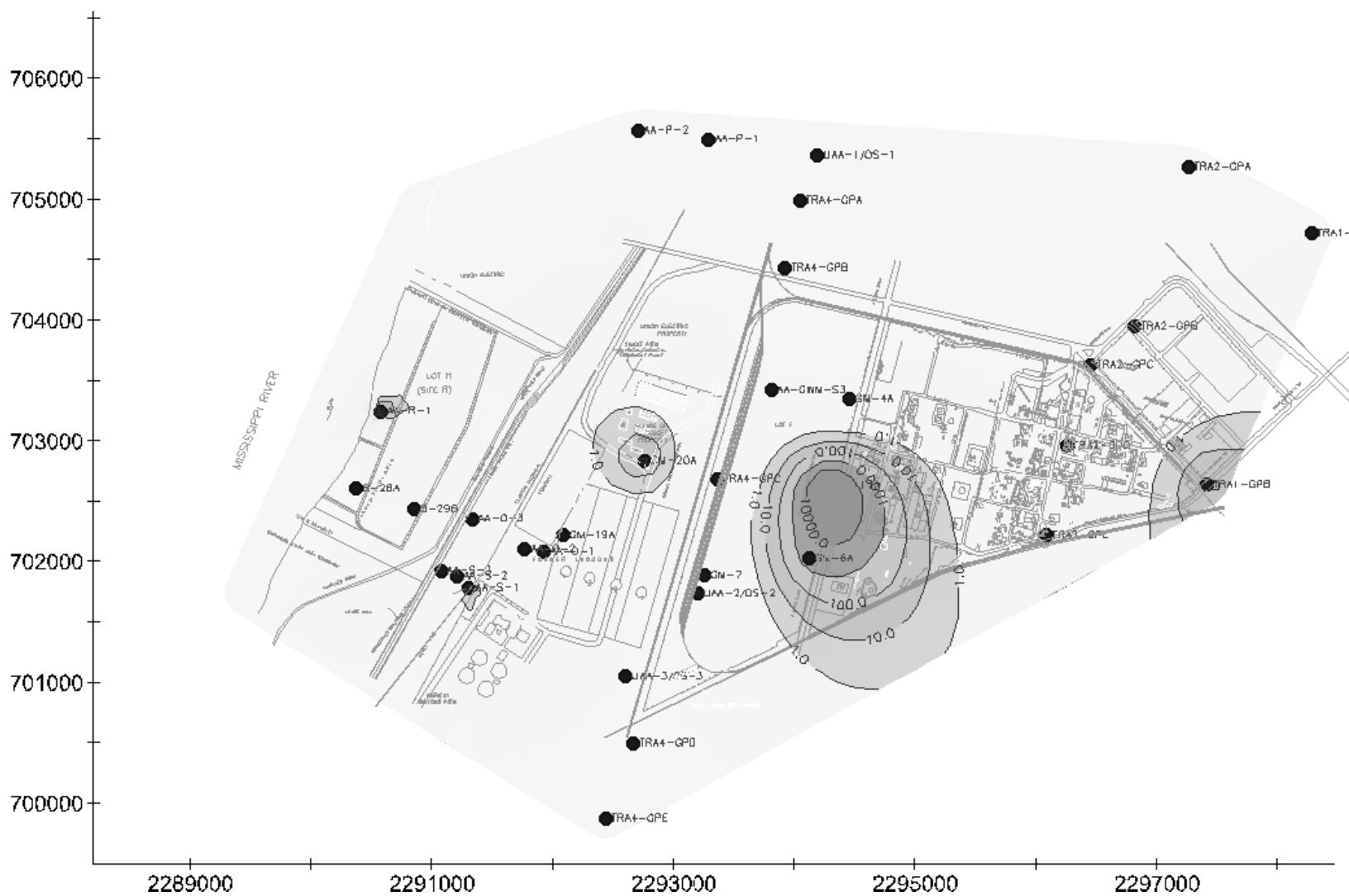
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by: DJD	Design by: TJA	Checked by:

URS

## Plan View

## Maximum Concentration of Benzene in Groundwater 395 to 380 Elevation (SHU)

**URS**



<1 ug/l

100 to 1000 ug/l

 1 to 10 ug/l

1000 to 10000 ug/

 10 to 100 ug/l

 >10000 ug/l

SOLUTIA

Date: 10/18/04

Figure Number: 4-1

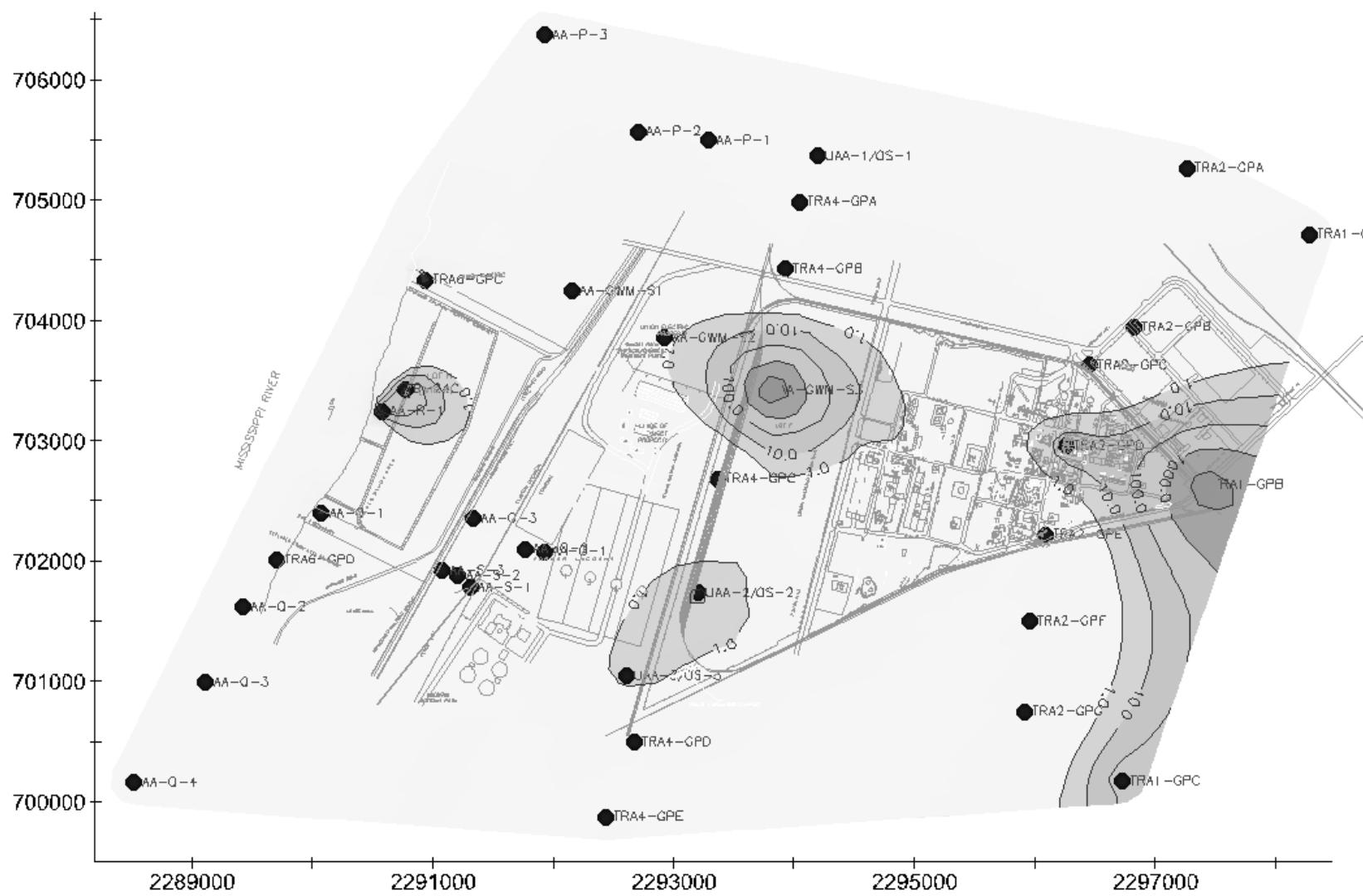
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## RCRA Corrective Measures Study

## **Addendum II**

W.G. Krummrich Facility

## Sauget, Illinois

**Plan View****Maximum Concentration of Benzene in Groundwater 380 to 350 Elevation (MHU)****URS** <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

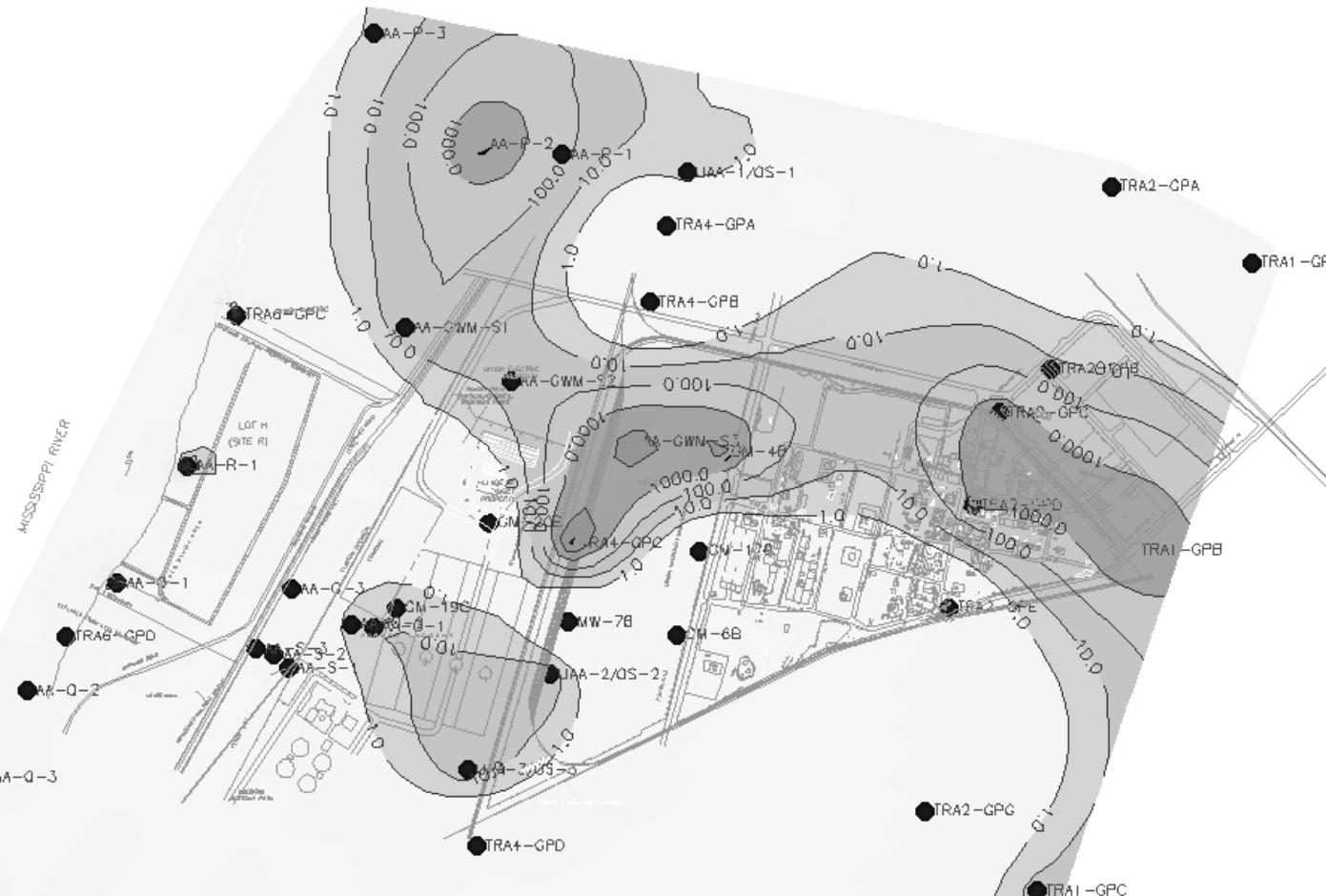
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**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**

**URS****Plan View**

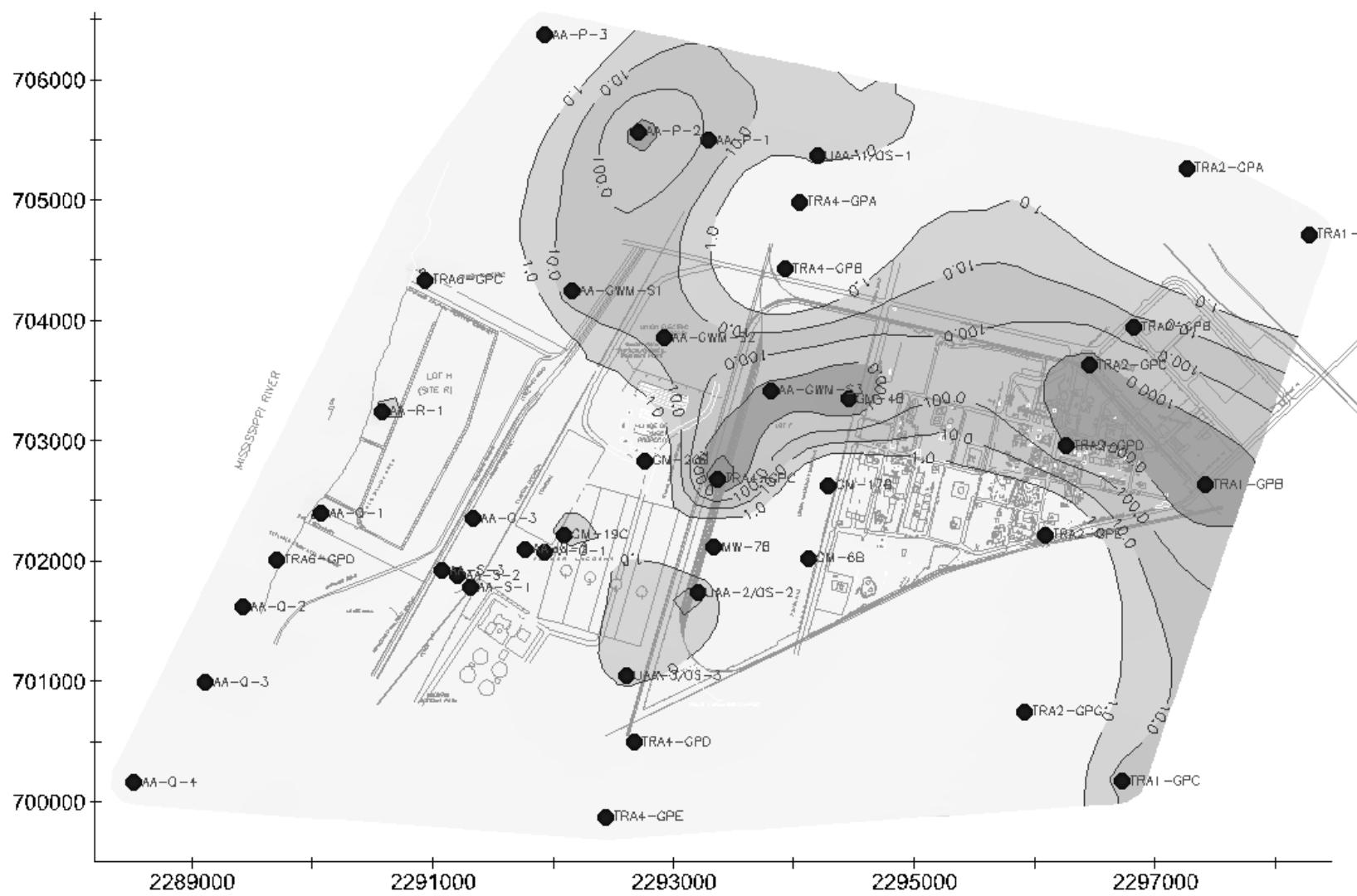
## Maximum Concentration of Benzene in Groundwater 350 Elevation to Bedrock (DHU)

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Date: 10/18/04

Figure  
Number: 4-3Project  
Number: 21561388.00000

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**Addendum II**  
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**Sauget, Illinois**

**Plan View****Maximum Concentration of Benzene in Groundwater at Bedrock (DHU)****URS** <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

Date: 10/18/04

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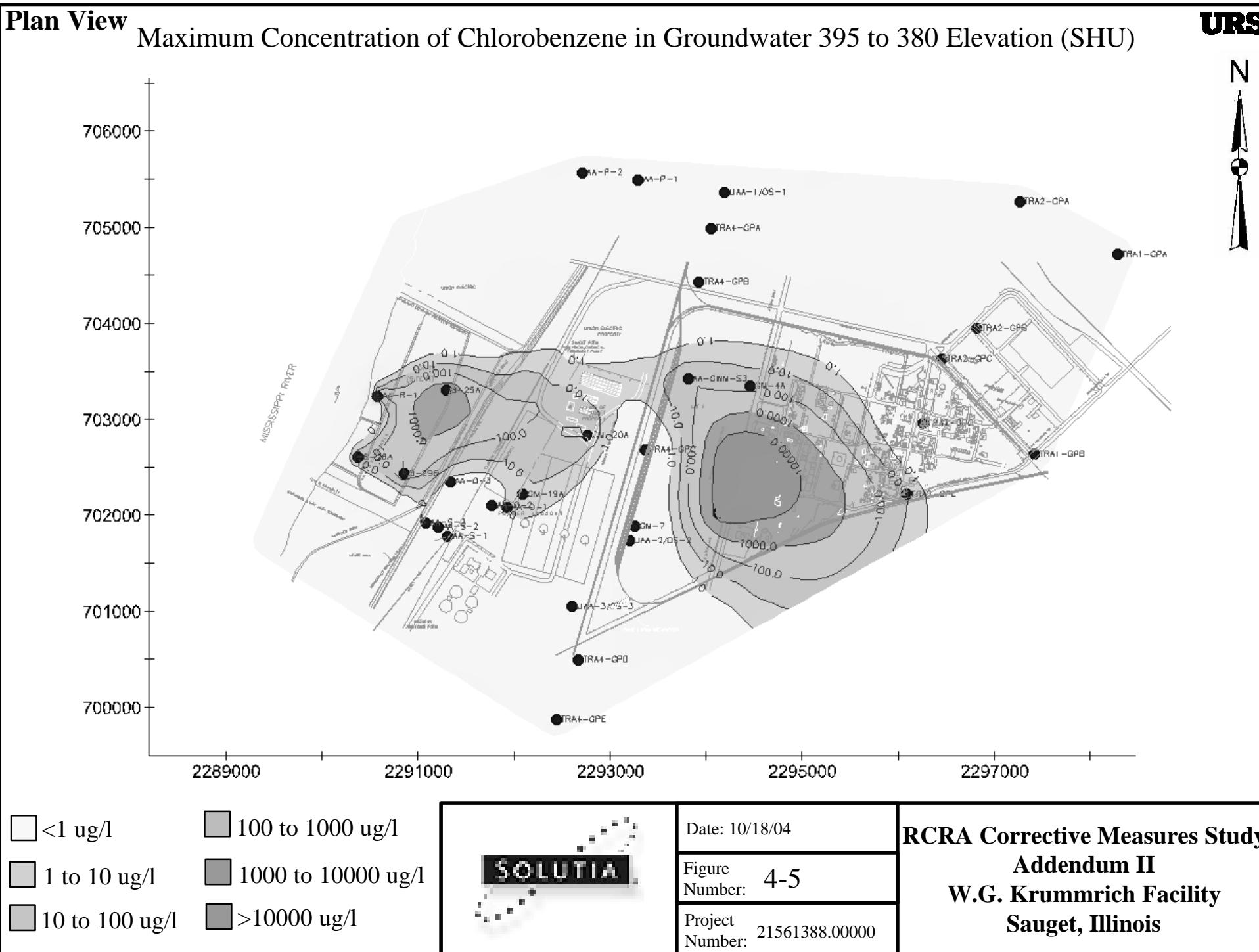
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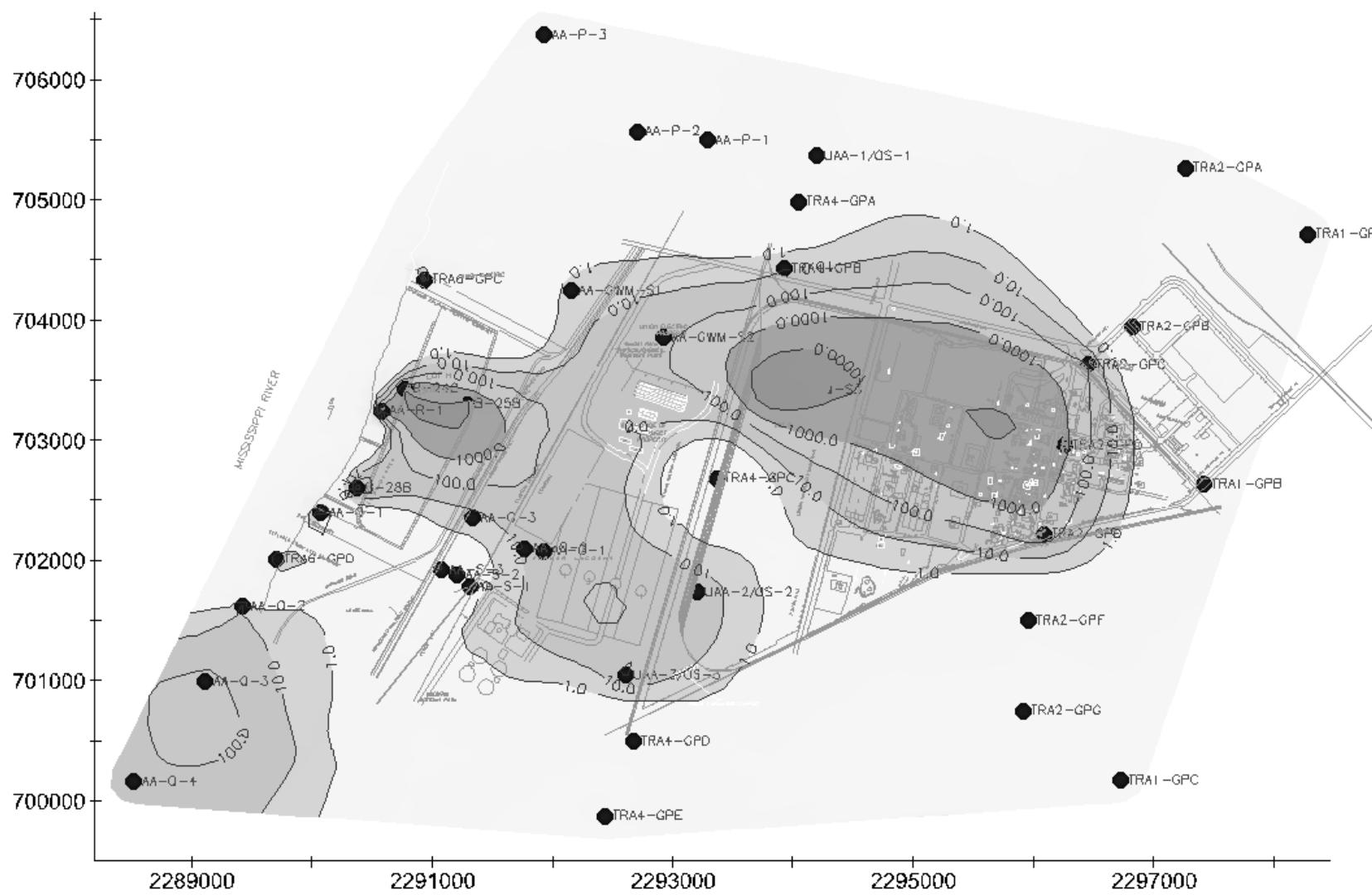
**RCRA Corrective Measures Study  
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Sauget, Illinois**

## Plan View

## Maximum Concentration of Chlorobenzene in Groundwater 395 to 380 Elevation (SHU)

**URS**



**Plan View****Maximum Concentration of Chlorobenzene in Groundwater 380 to 350 Elevation (MHU)****URS** <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

Date: 10/18/04

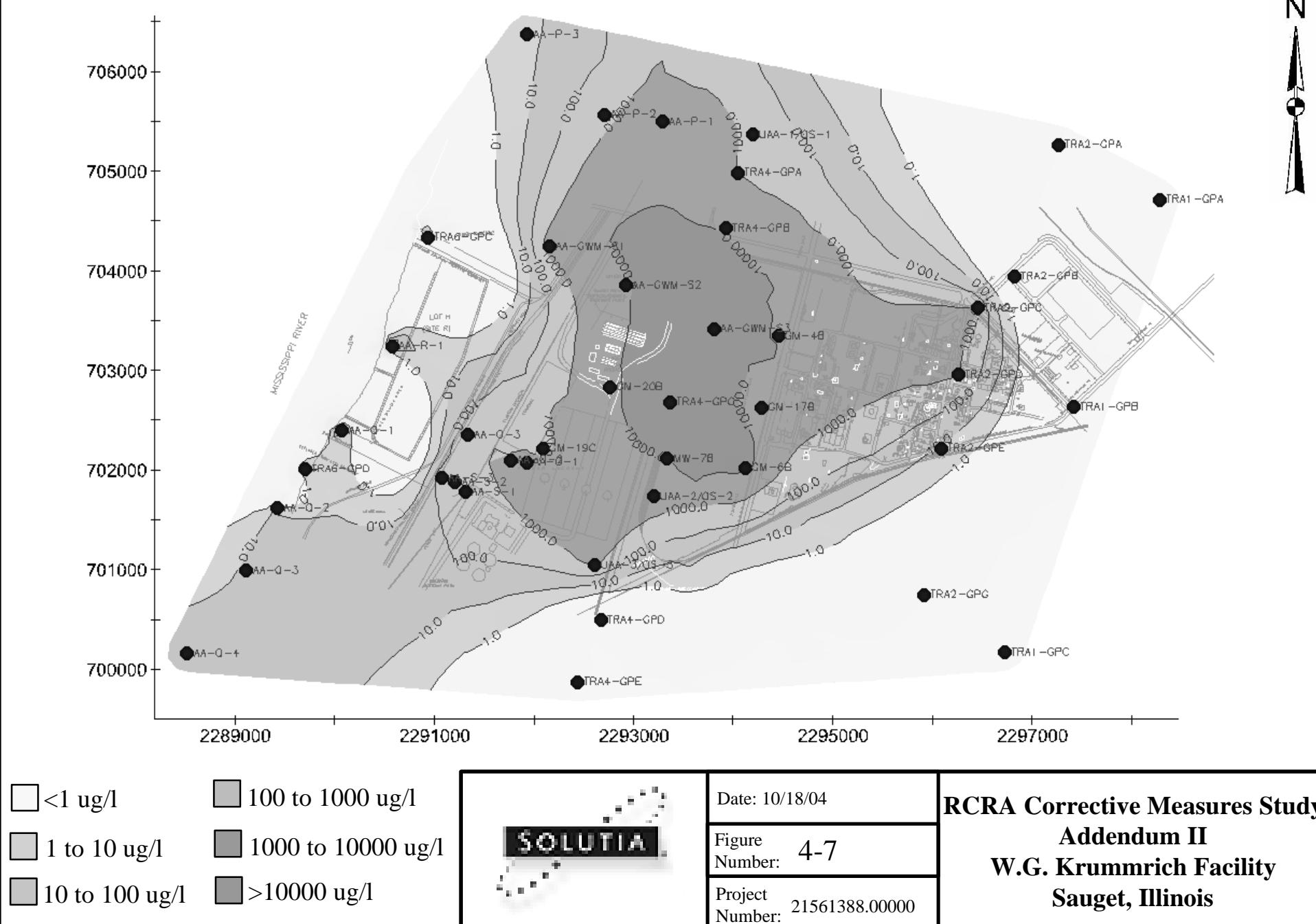
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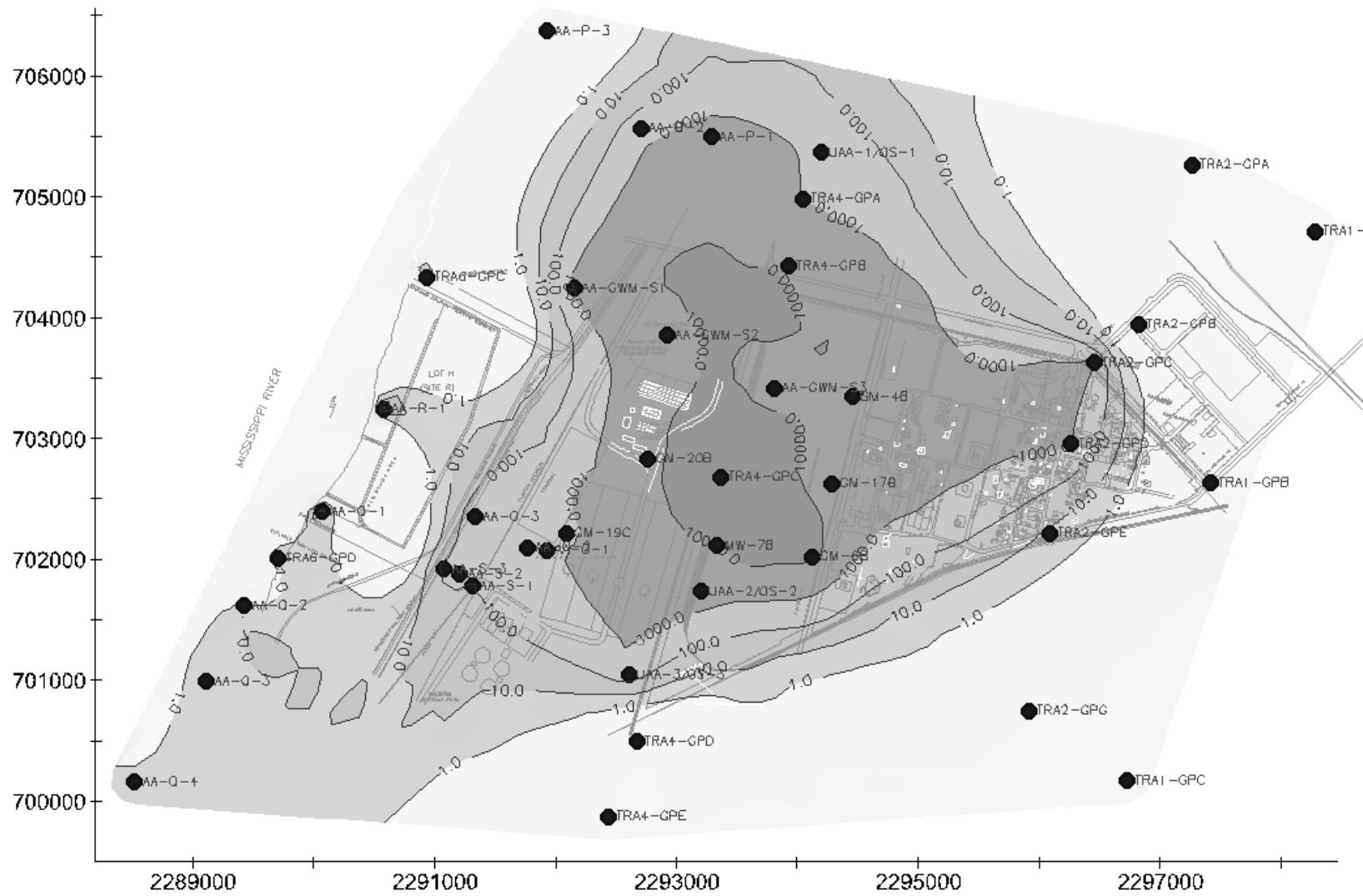
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**Sauget, Illinois**

## Plan View

**URS**

## Maximum Concentration of Chlorobenzene in Groundwater 350 Elevation to Bedrock (DHU)



**Plan View****Maximum Concentration of Chlorobenzene in Groundwater at Bedrock (DHU)****URS** <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

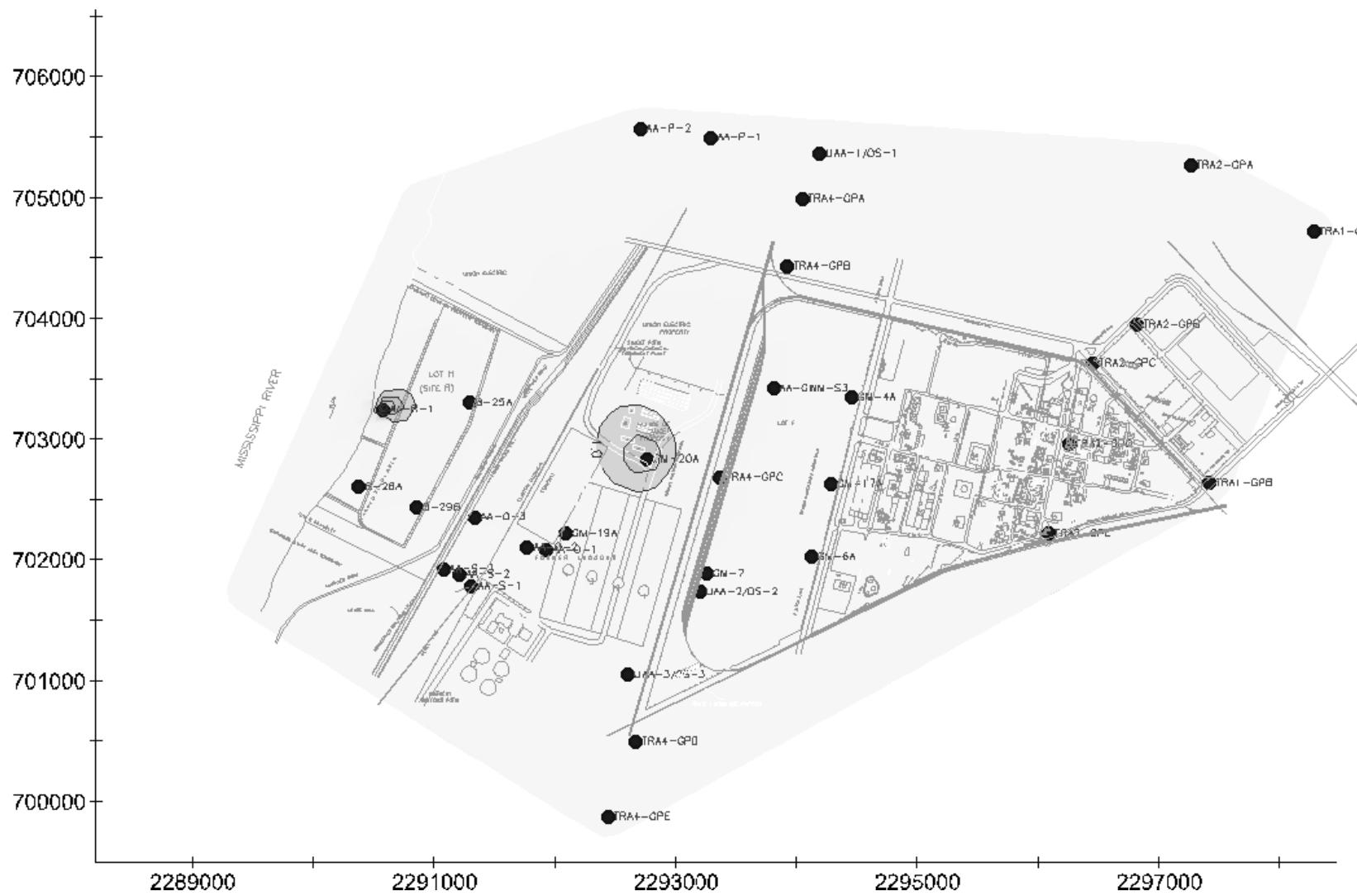
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Addendum II  
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Sauget, Illinois**

**URS****Plan View**

Maximum Concentration of Chloroanilines in Groundwater 395 to 380 Elevation (SHU)

 <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

Date: 10/18/04

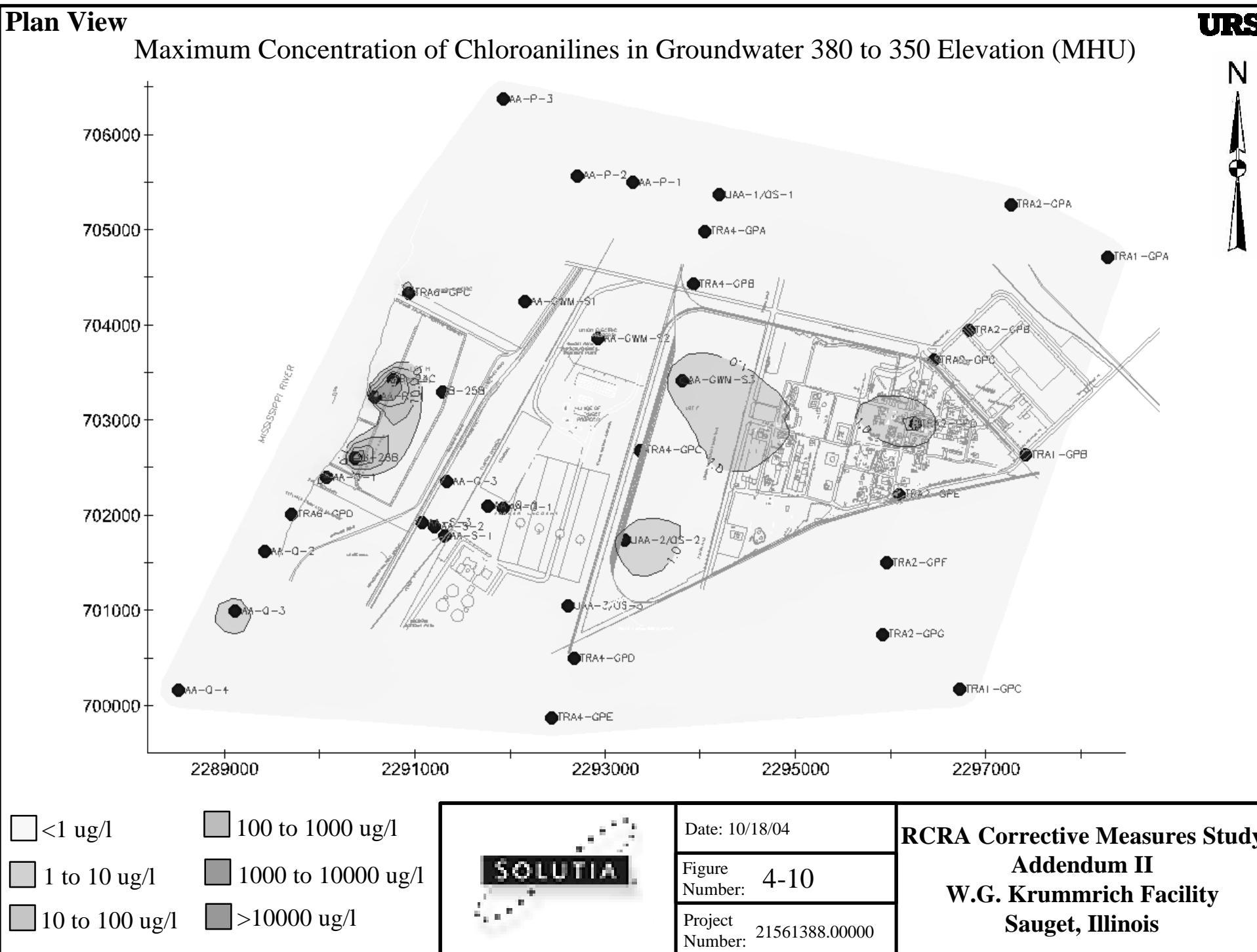
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**Sauget, Illinois**

## Plan View

**URS**

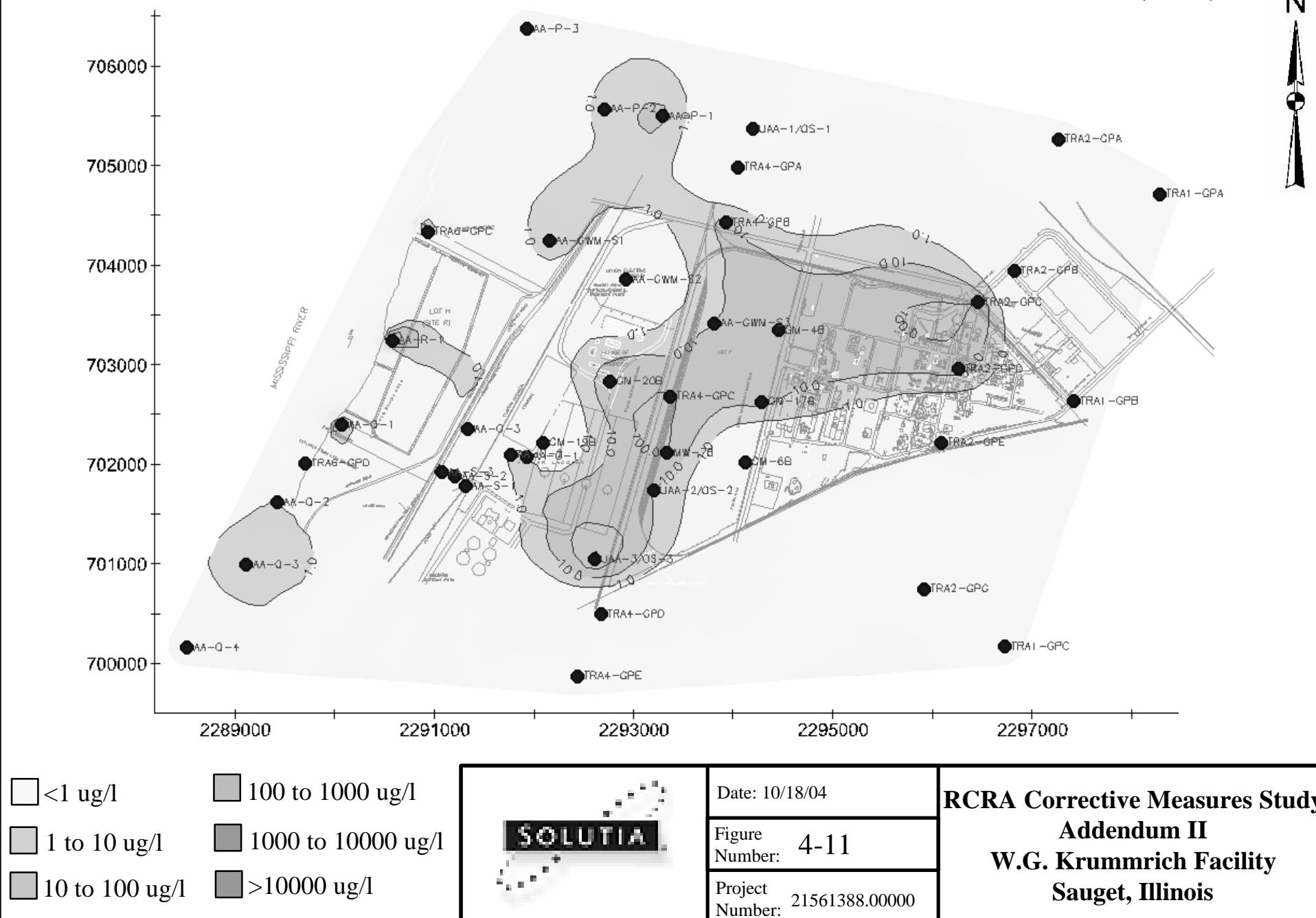
## Maximum Concentration of Chloroanilines in Groundwater 380 to 350 Elevation (MHU)



## Plan View

**URS**

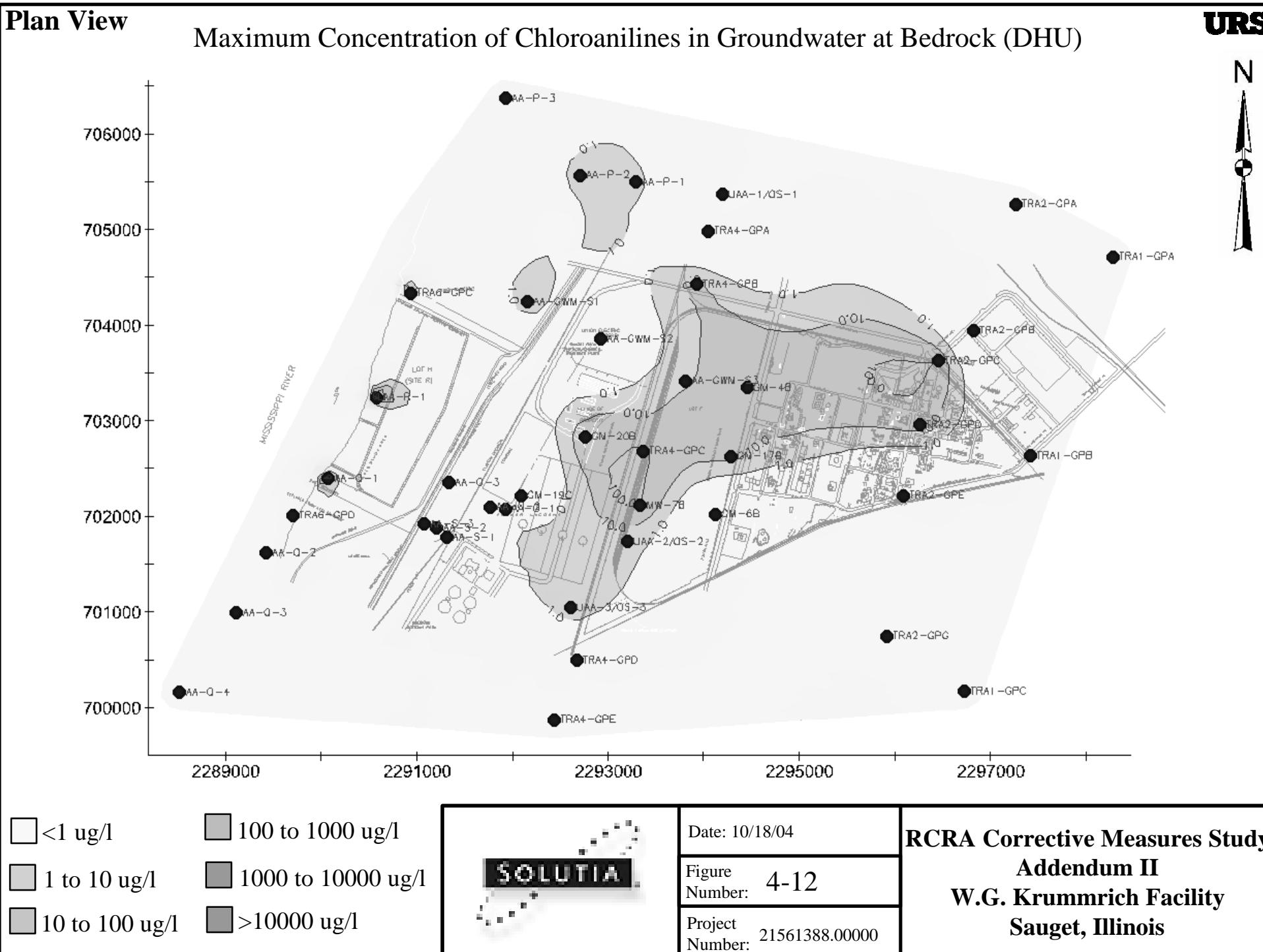
## Maximum Concentration of Chloroanilines in Groundwater 350 Elevation to Bedrock (DHU)



## Plan View

## Maximum Concentration of Chloroanilines in Groundwater at Bedrock (DHU)

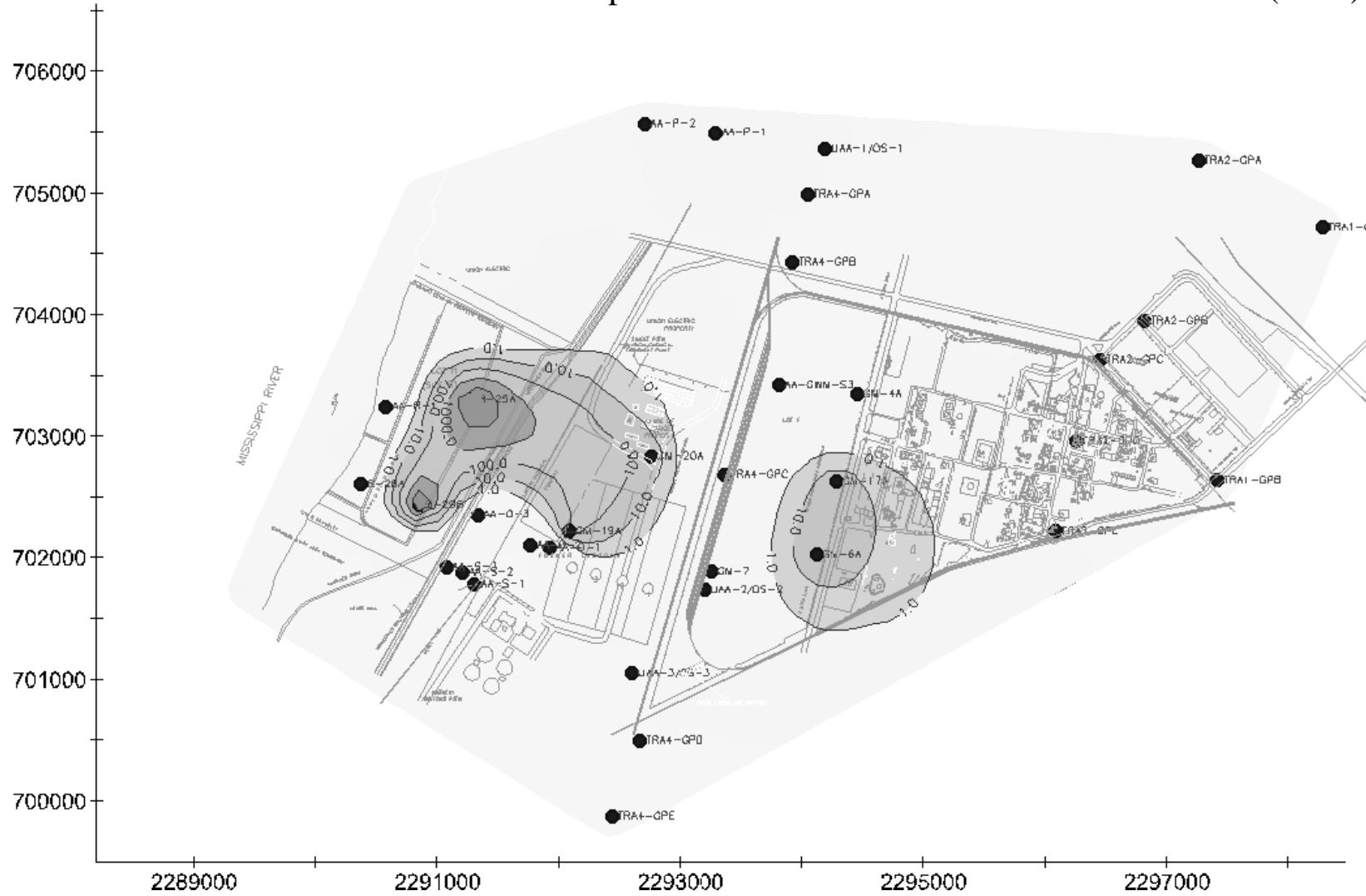
**URS**



## Plan View

**URS**

## Maximum Concentration of Chlorophenols in Groundwater 395 to 380 Elevation (SHU)



<1 ug/l

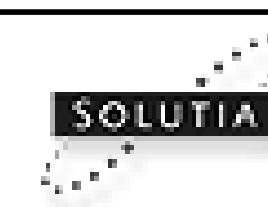
 1 to 10 ug/l

 10 to 100 ug/L

 100 to 1000 ug/l

1000 to 10000 ug

>10000 ug/l



Date: 10/18/04

Figure Number: 4-13

Project  
Number: 21561388.0000

## **RCRA Corrective Measures Study**

Addendum II

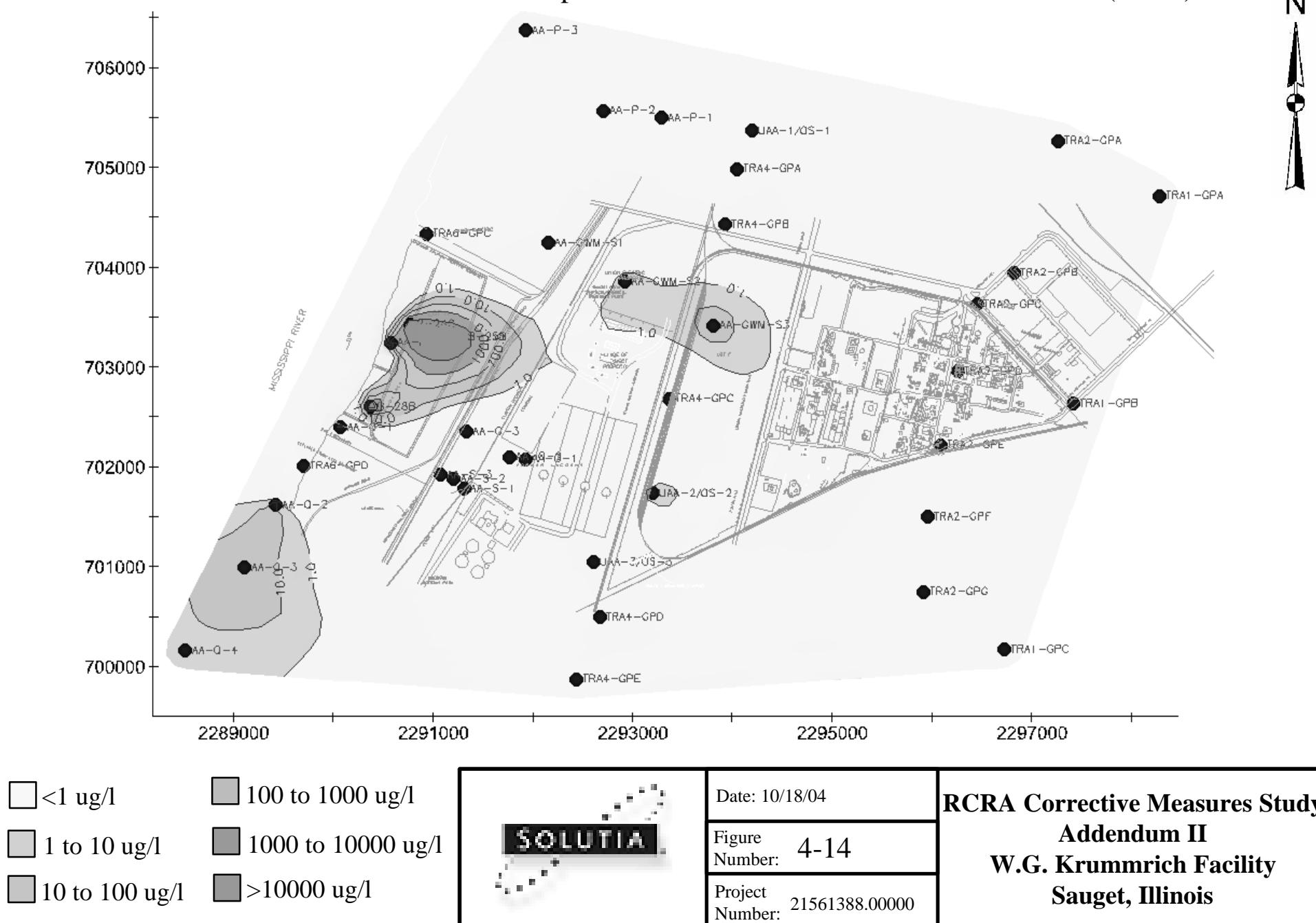
**W.G. Krummrich Facility**

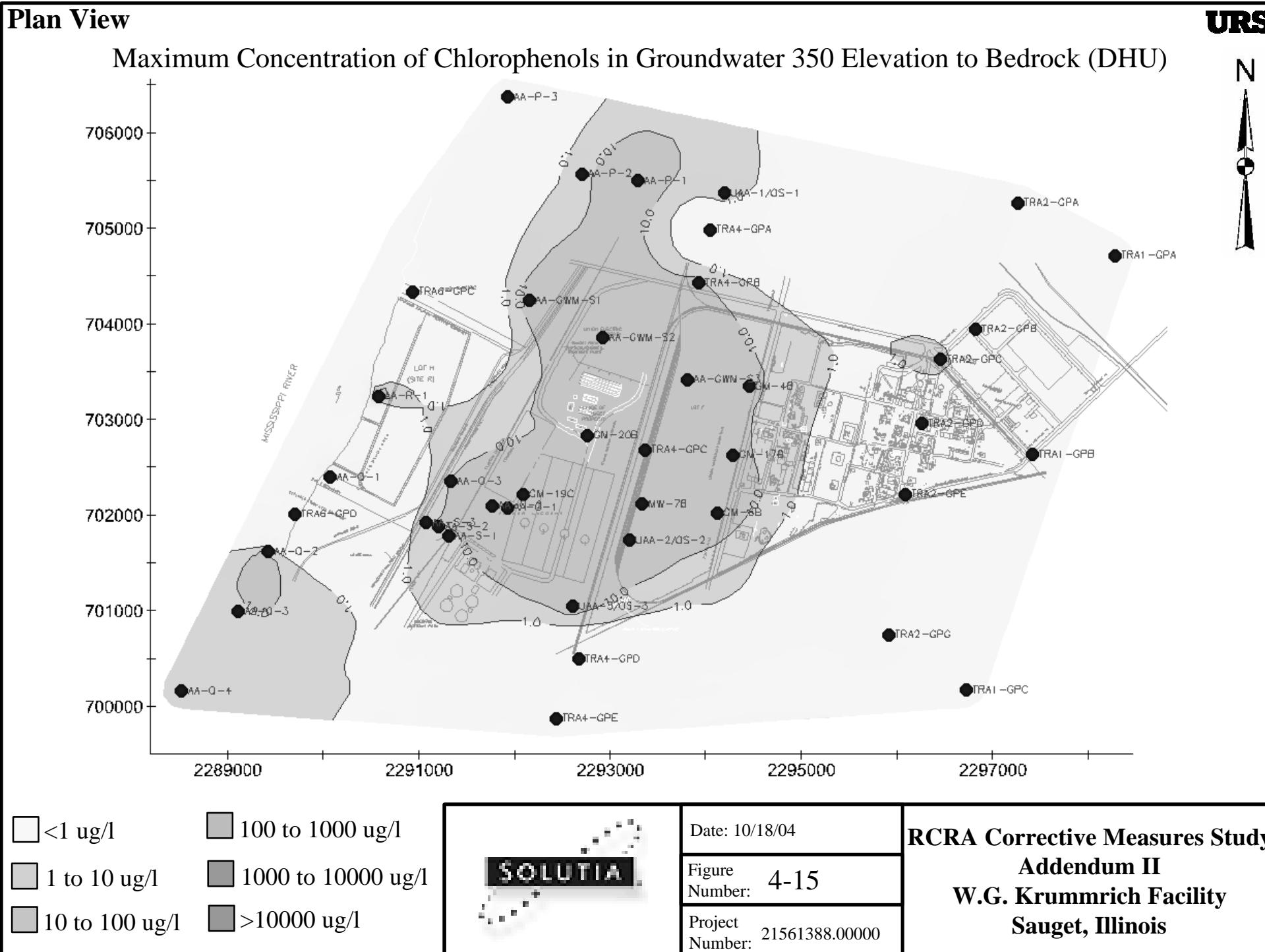
## Sauget, Illinois

## Plan View

**URS**

## Maximum Concentration of Chlorophenols in Groundwater 380 to 350 Elevation (MHU)

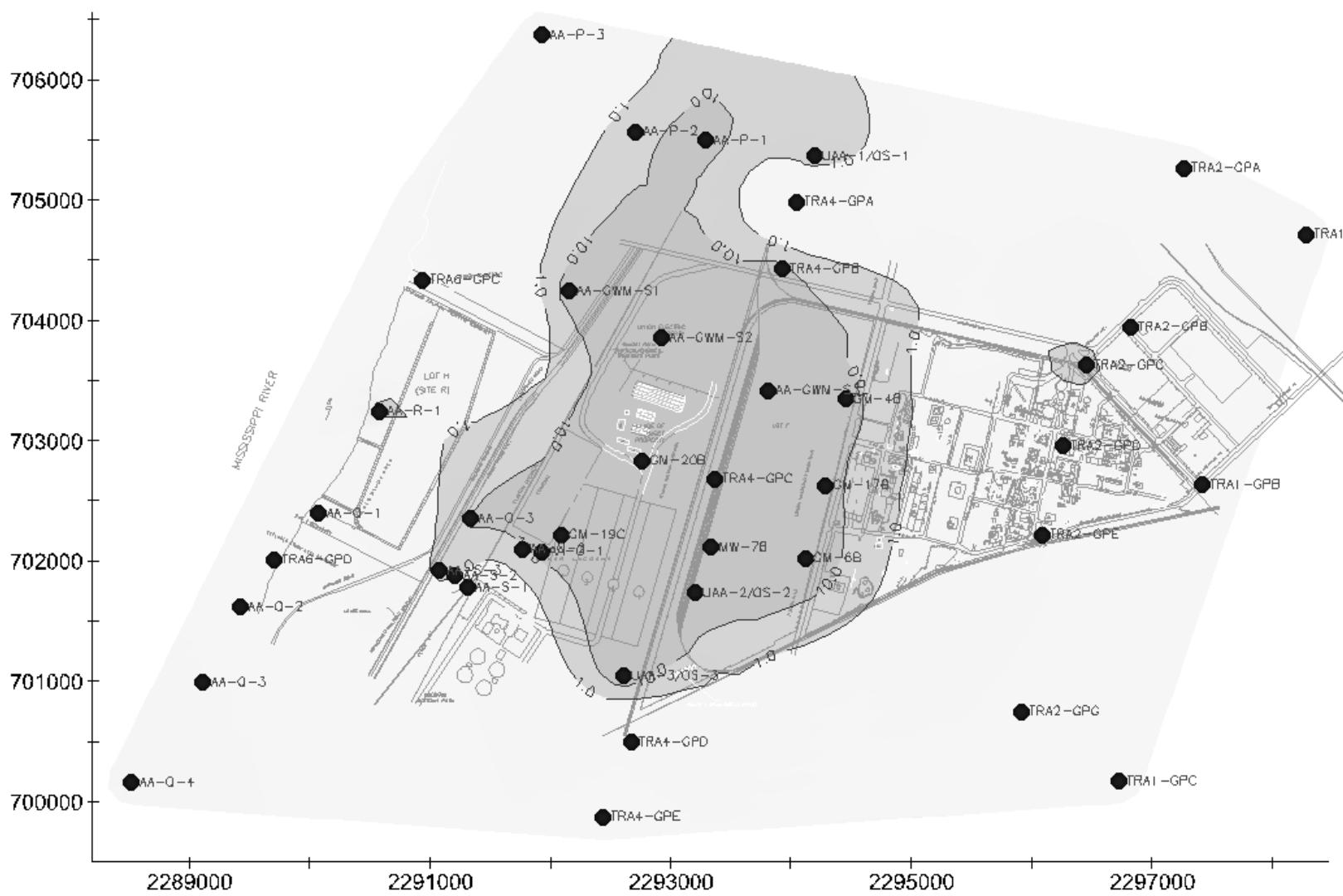


**URS****Plan View****Maximum Concentration of Chlorophenols in Groundwater 350 Elevation to Bedrock (DHU)**

## Plan View

## Maximum Concentration of Chlorophenols in Groundwater at Bedrock (DHU)

**URS**



<1 ug/l

 1 to 10 ug/l

 10 to 100 µg/L

100 to 1000 ug/l

1000 to 10000 ug/

 >10000 ug/l



Date: 10/18/04

Figure  
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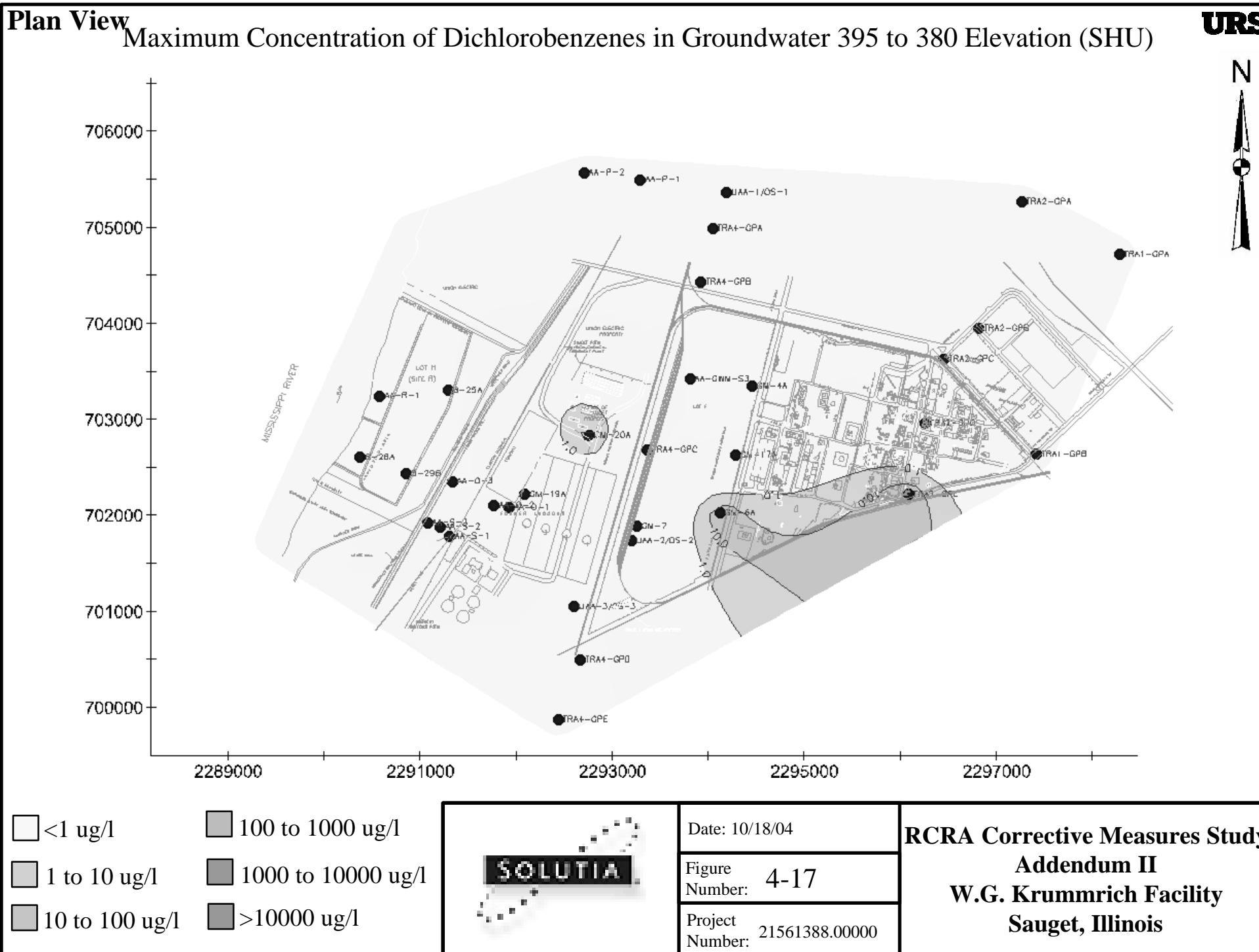
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## **RCRA Corrective Measures Study**

Addendum II

**W.G. Krummrich Facility**

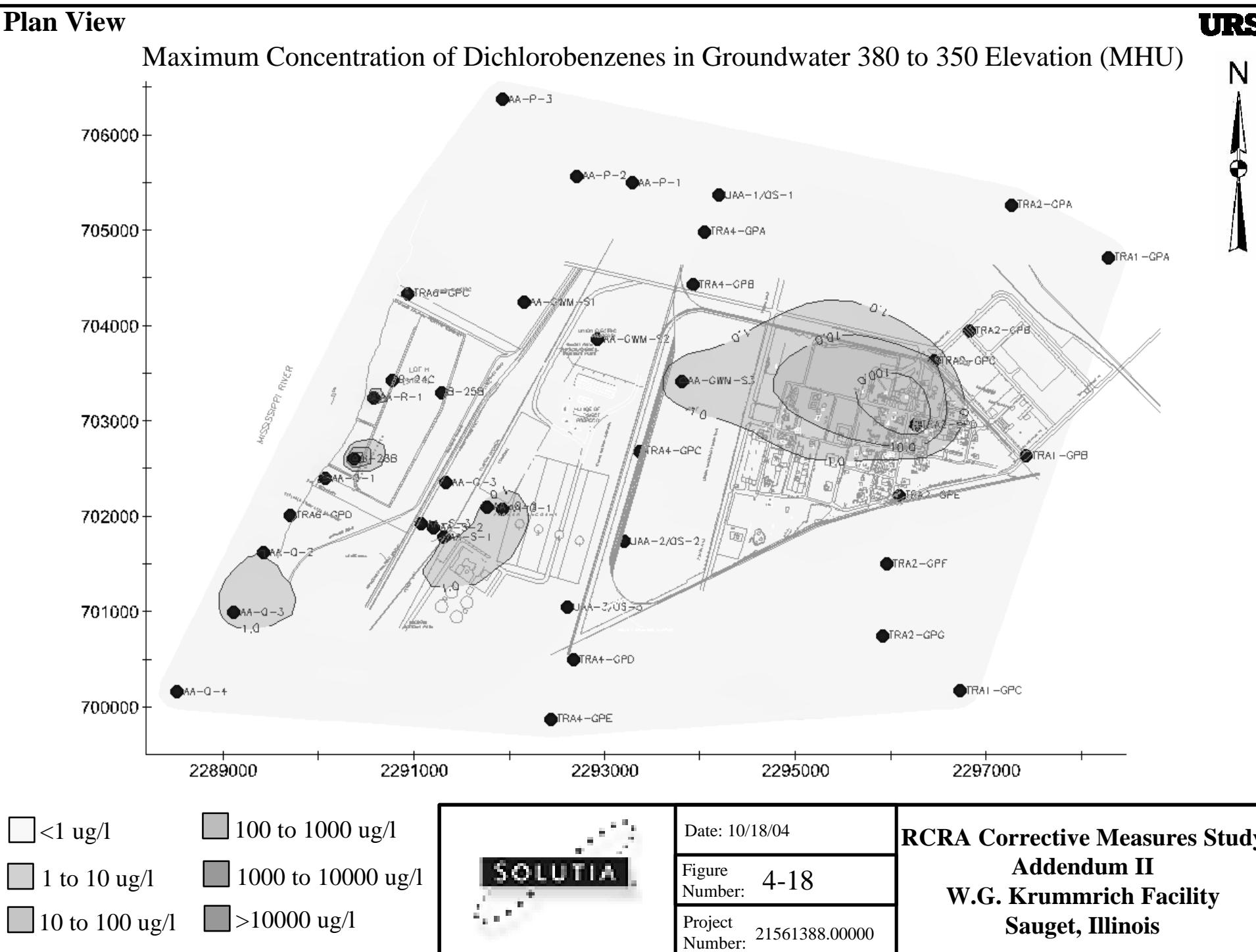
## Sauget, Illinois

**Plan View****Maximum Concentration of Dichlorobenzenes in Groundwater 395 to 380 Elevation (SHU)****URS**

## Plan View

**URS**

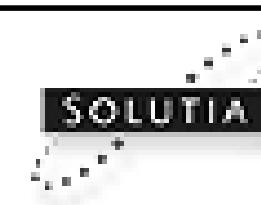
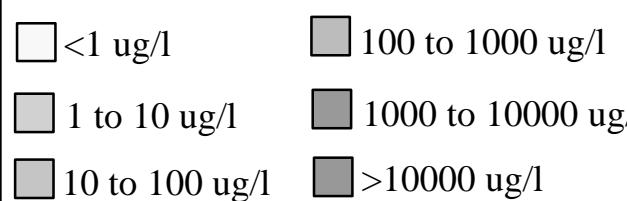
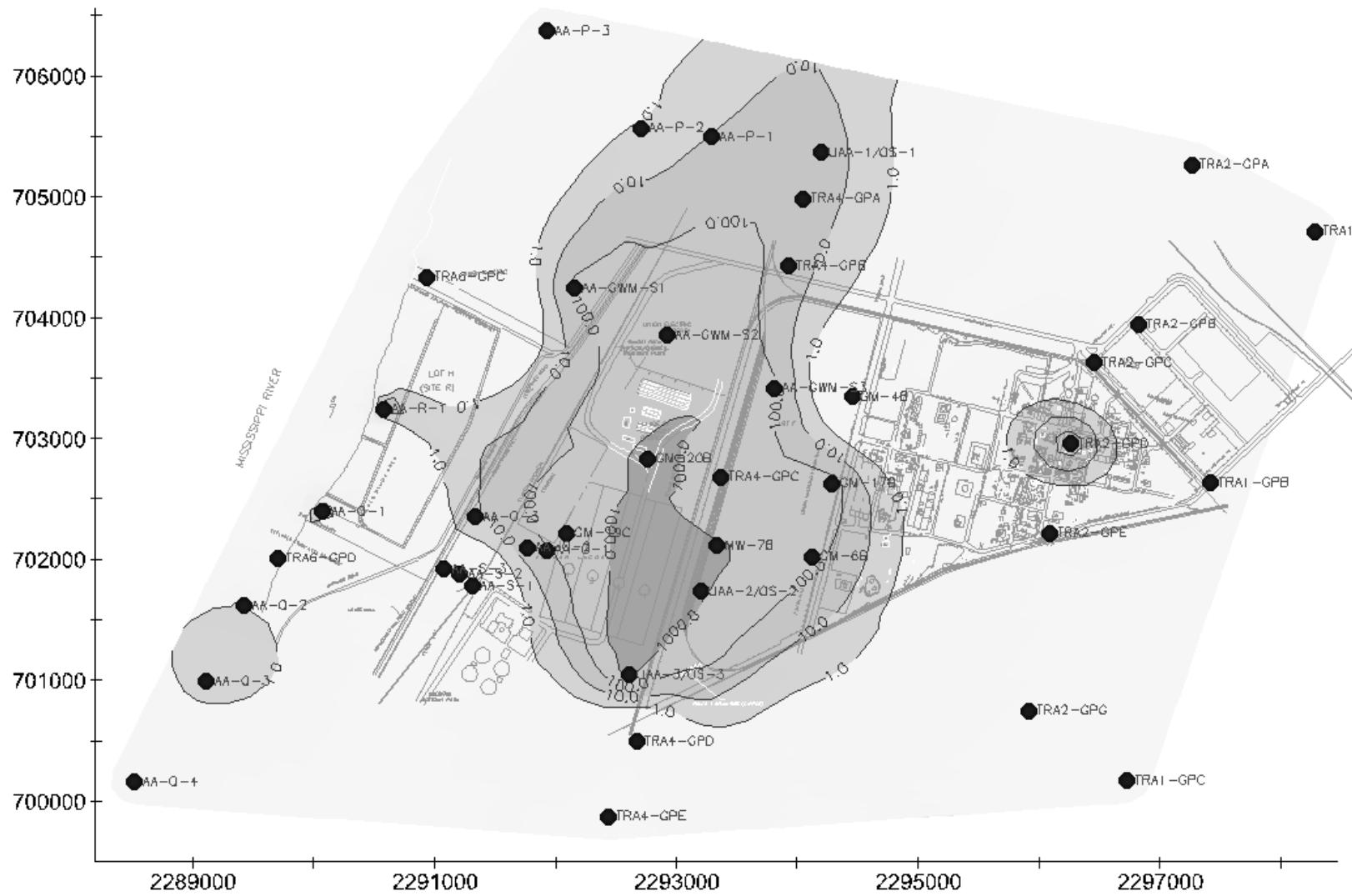
## Maximum Concentration of Dichlorobenzenes in Groundwater 380 to 350 Elevation (MHU)



## Plan View

**URS**

## Maximum Concentration of Dichlorobenzenes in Groundwater 350 Elevation to Bedrock (DHU)



Date: 10/18/04

Figure Number: 4-19

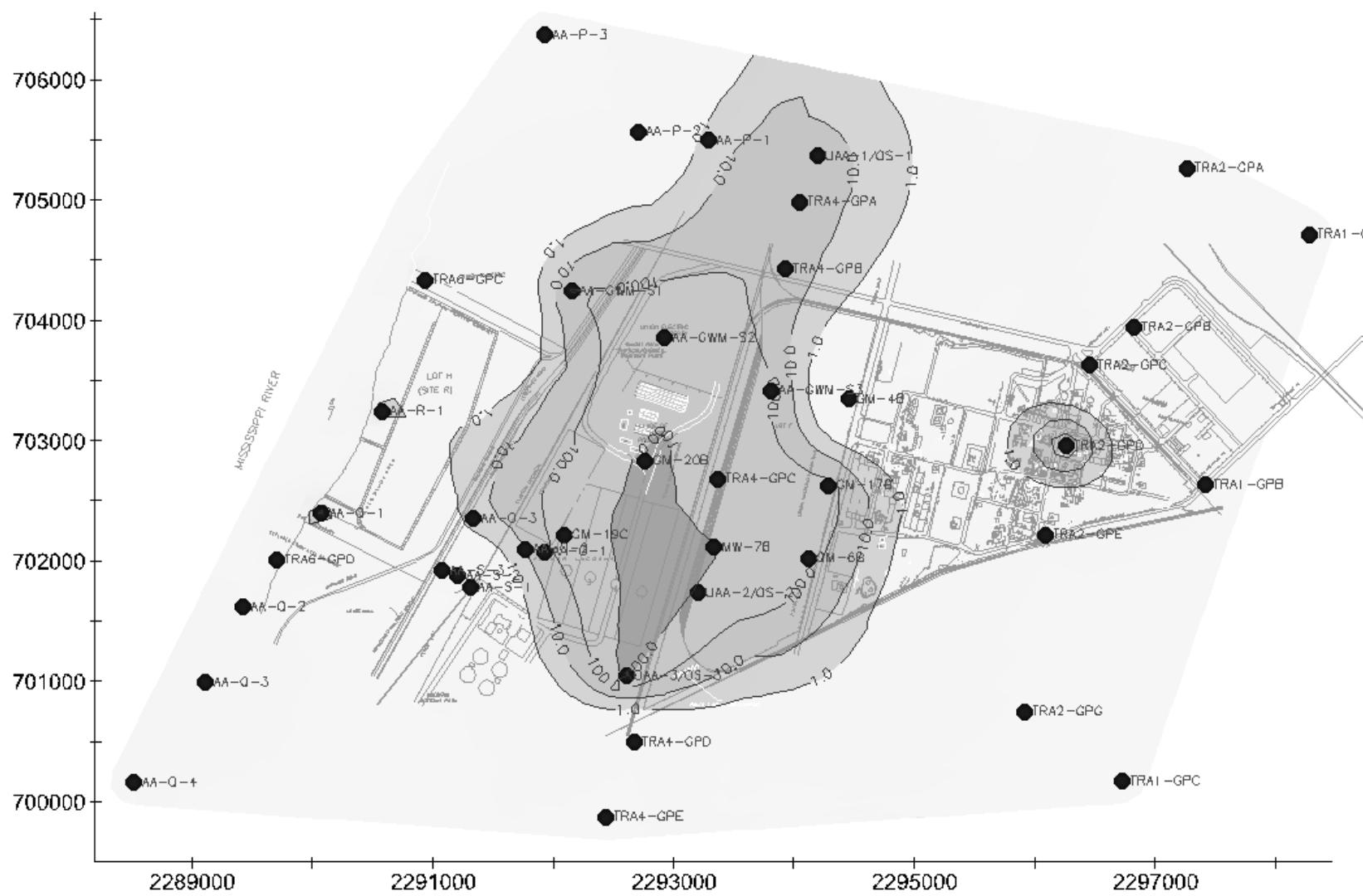
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W.G. Krummrich Facility

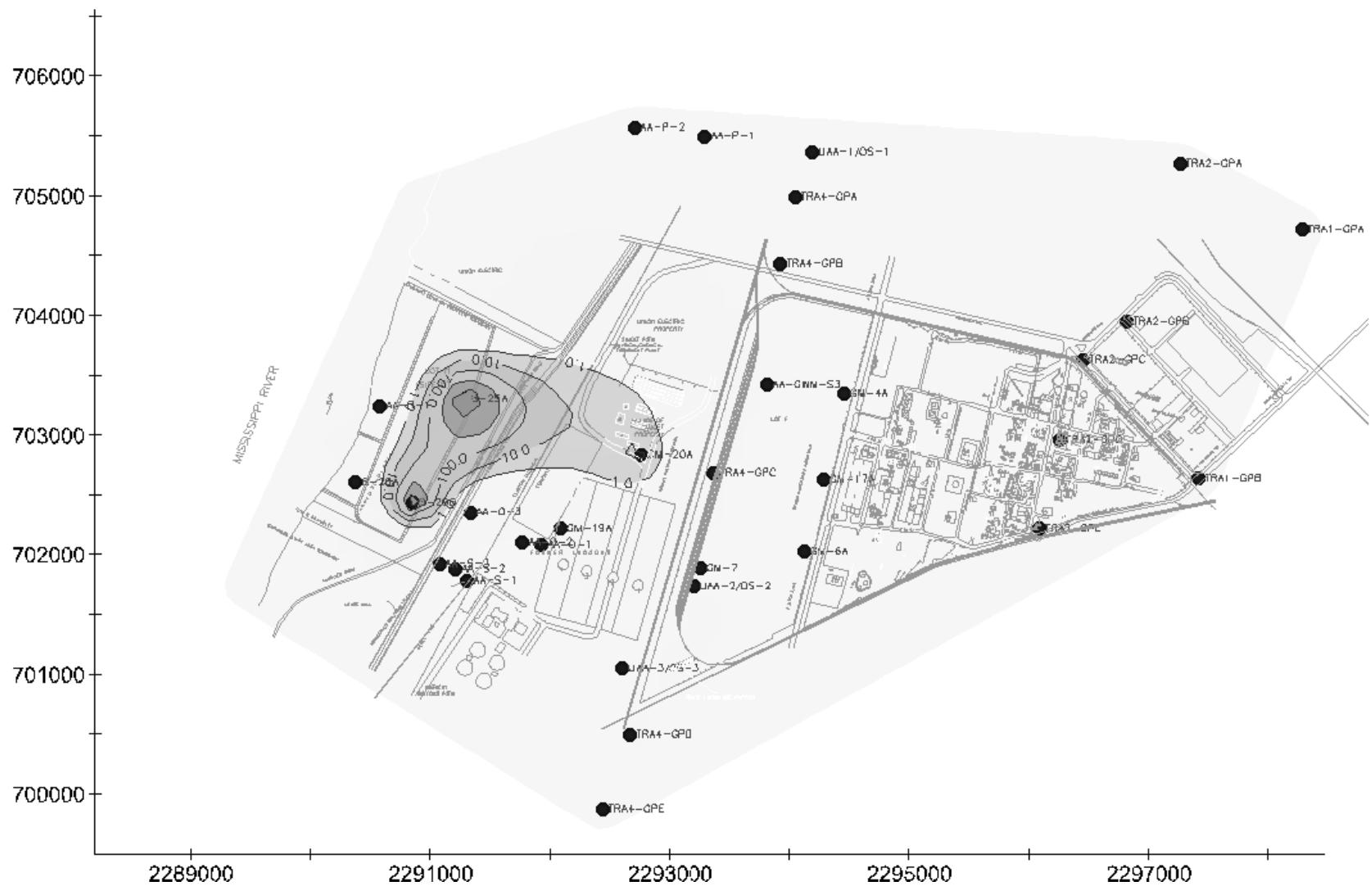
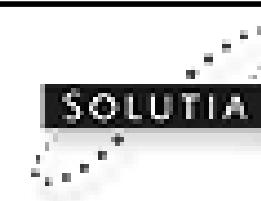
## Sauget, Illinois

**Plan View****Maximum Concentration of Dichlorobenzenes in Groundwater at Bedrock (DHU)****URS** <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

Date: 10/18/04

Figure  
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**RCRA Corrective Measures Study  
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W.G. Krummrich Facility  
Sauget, Illinois**

**URS****Plan View****Maximum Concentration of 2,4-Dichlorophenol in Groundwater 395 to 380 Elevation (SHU)** <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

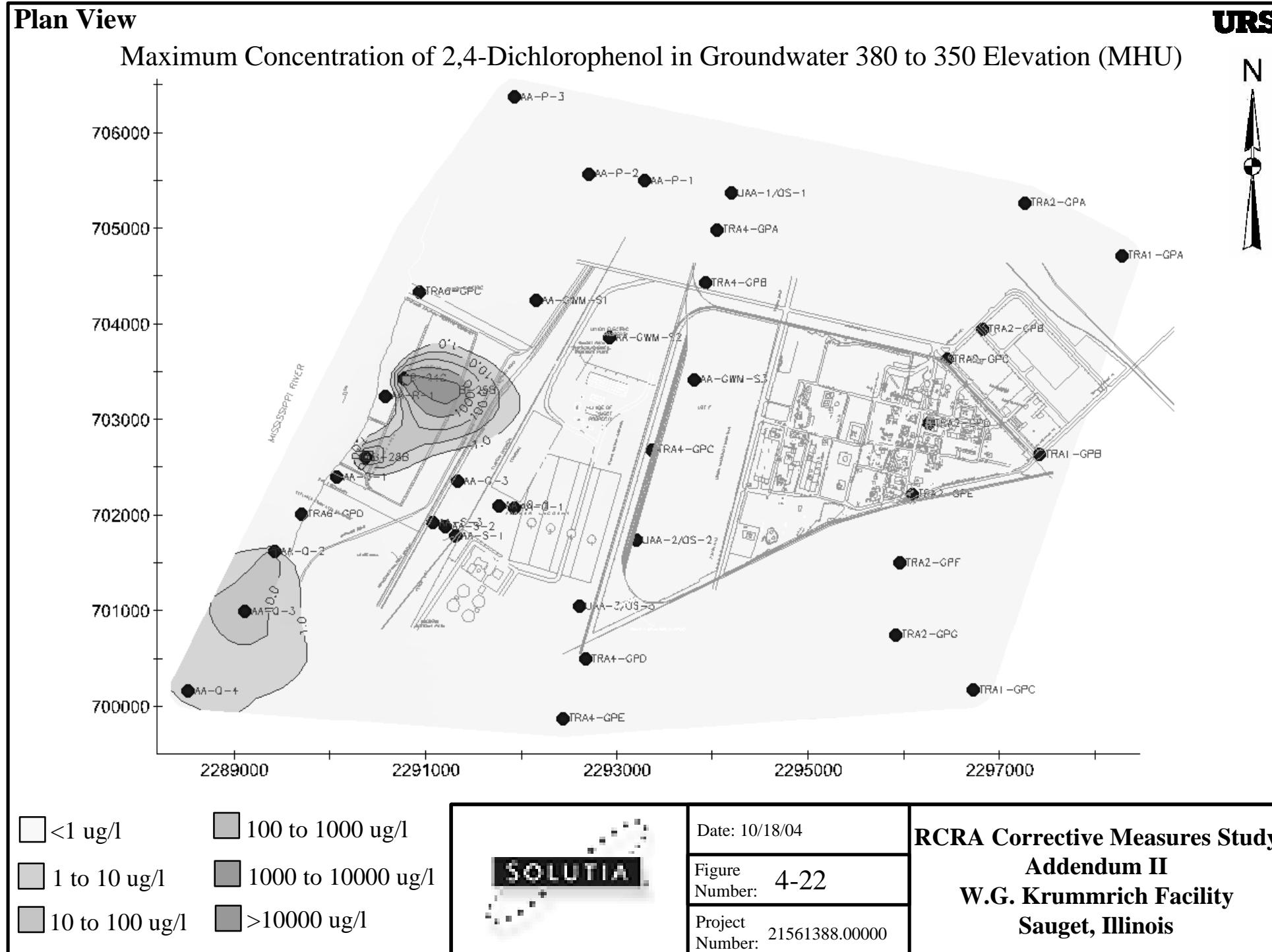
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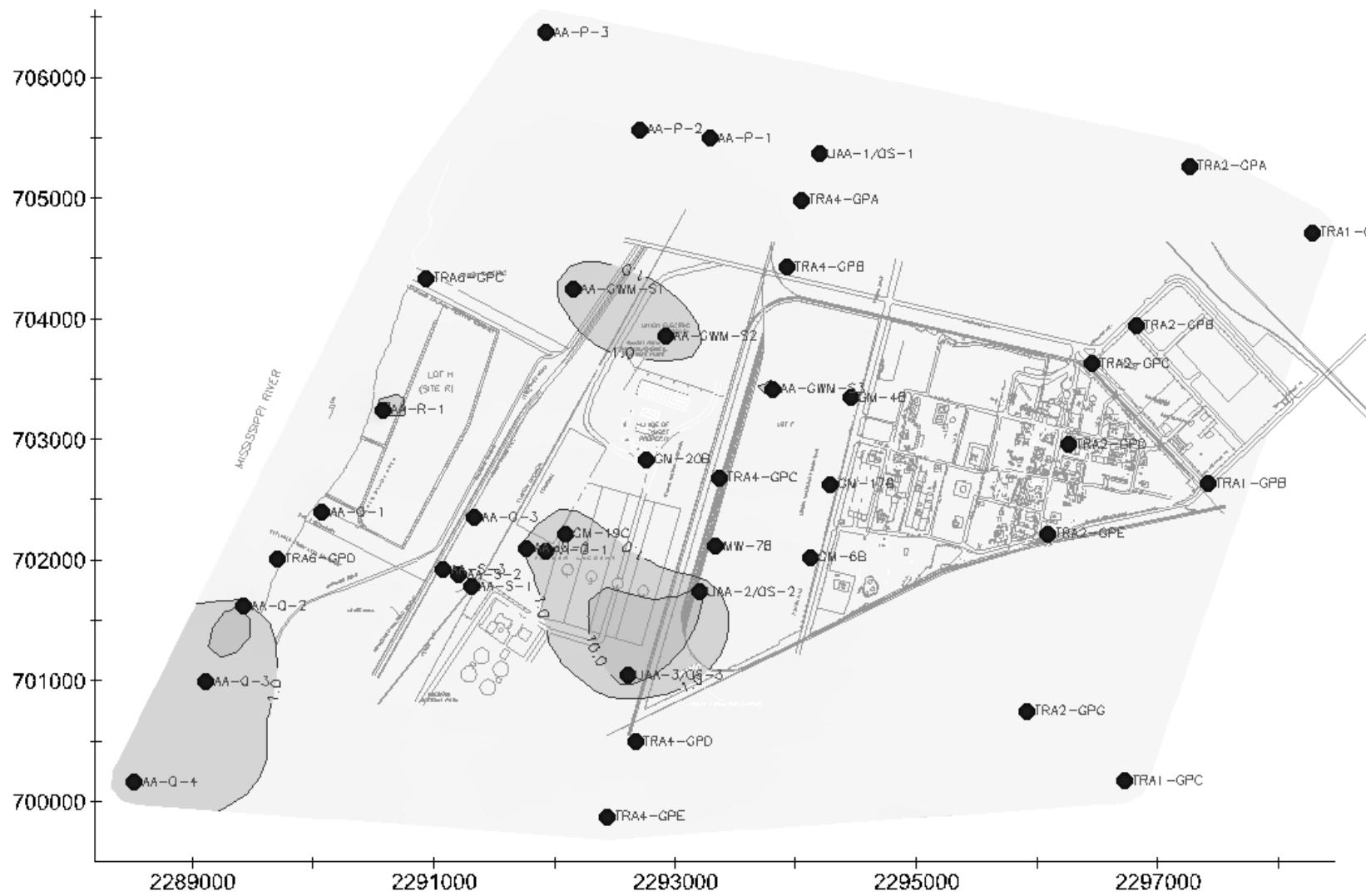
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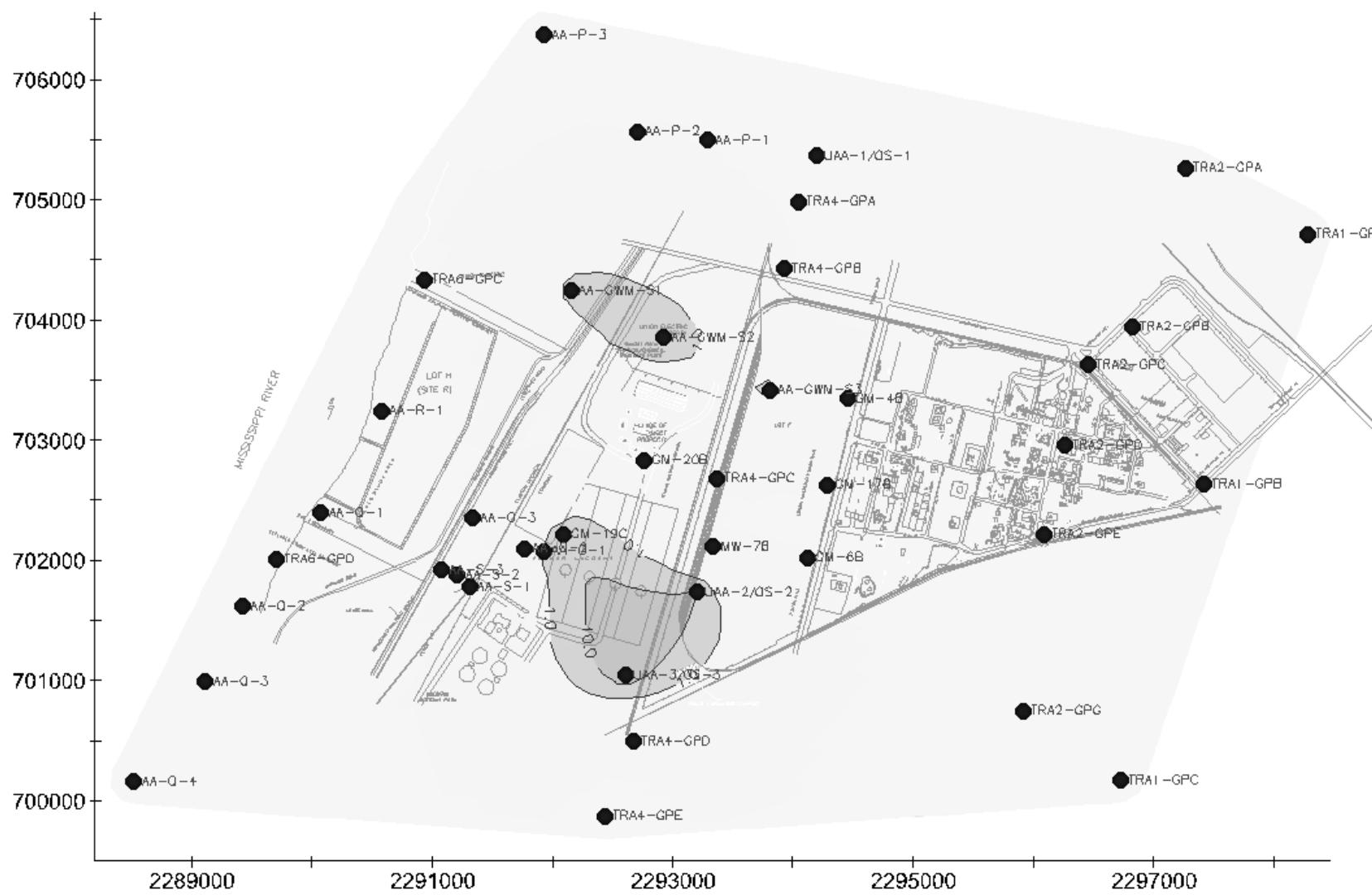
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**Sauget, Illinois**

**URS****Plan View**

## Maximum Concentration of 2,4-Dichlorophenol in Groundwater 380 to 350 Elevation (MHU)



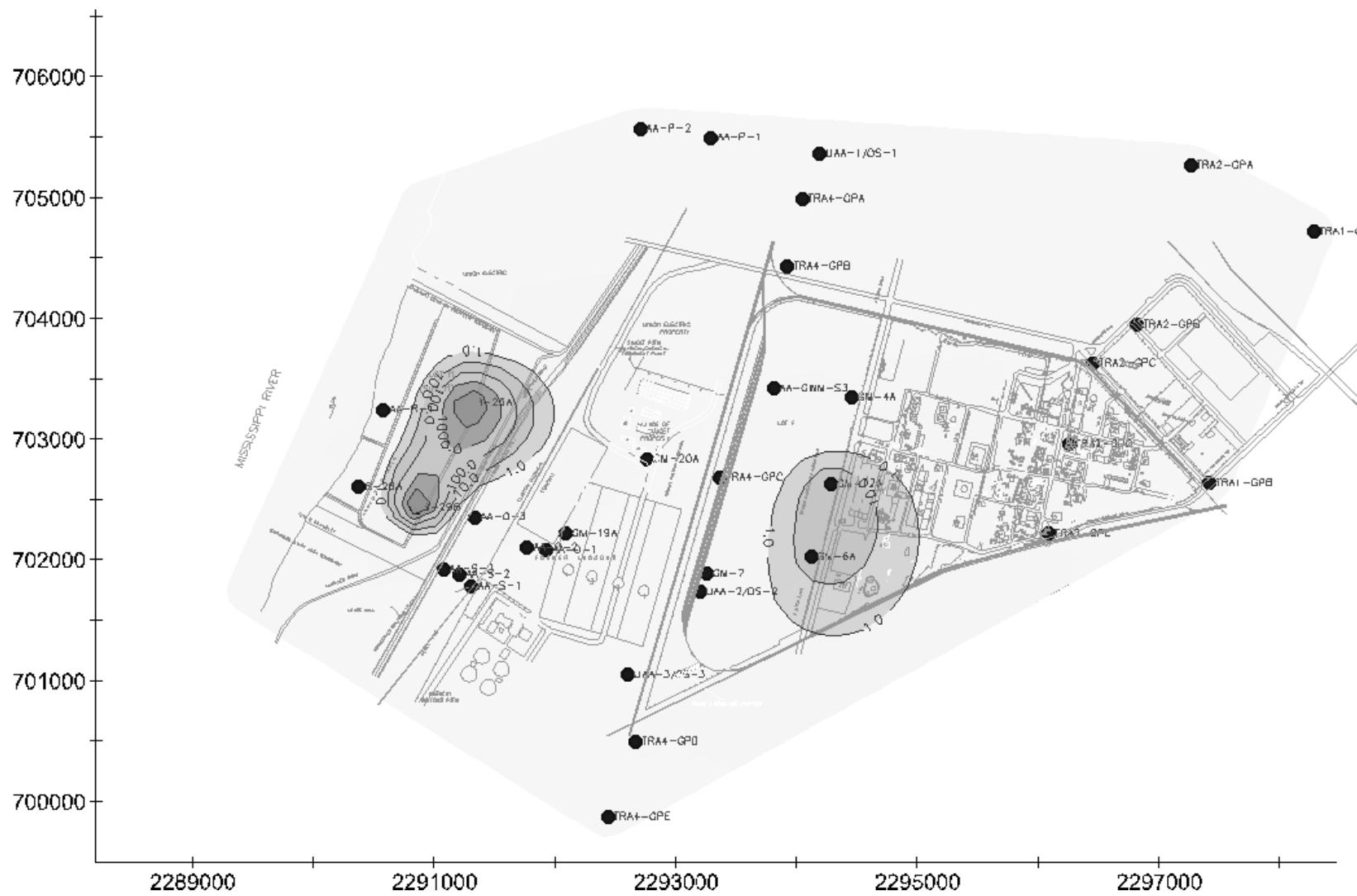
**URS****Plan View****Maximum Concentration of 2,4-Dichlorophenol in Groundwater 350 Elevation to Bedrock (DHU)**

**Plan View****Maximum Concentration of 2,4-Dichlorophenol in Groundwater at Bedrock (DHU)****URS** <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

Date: 10/18/04

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Number: 4-24Project  
Number: 21561388.00000

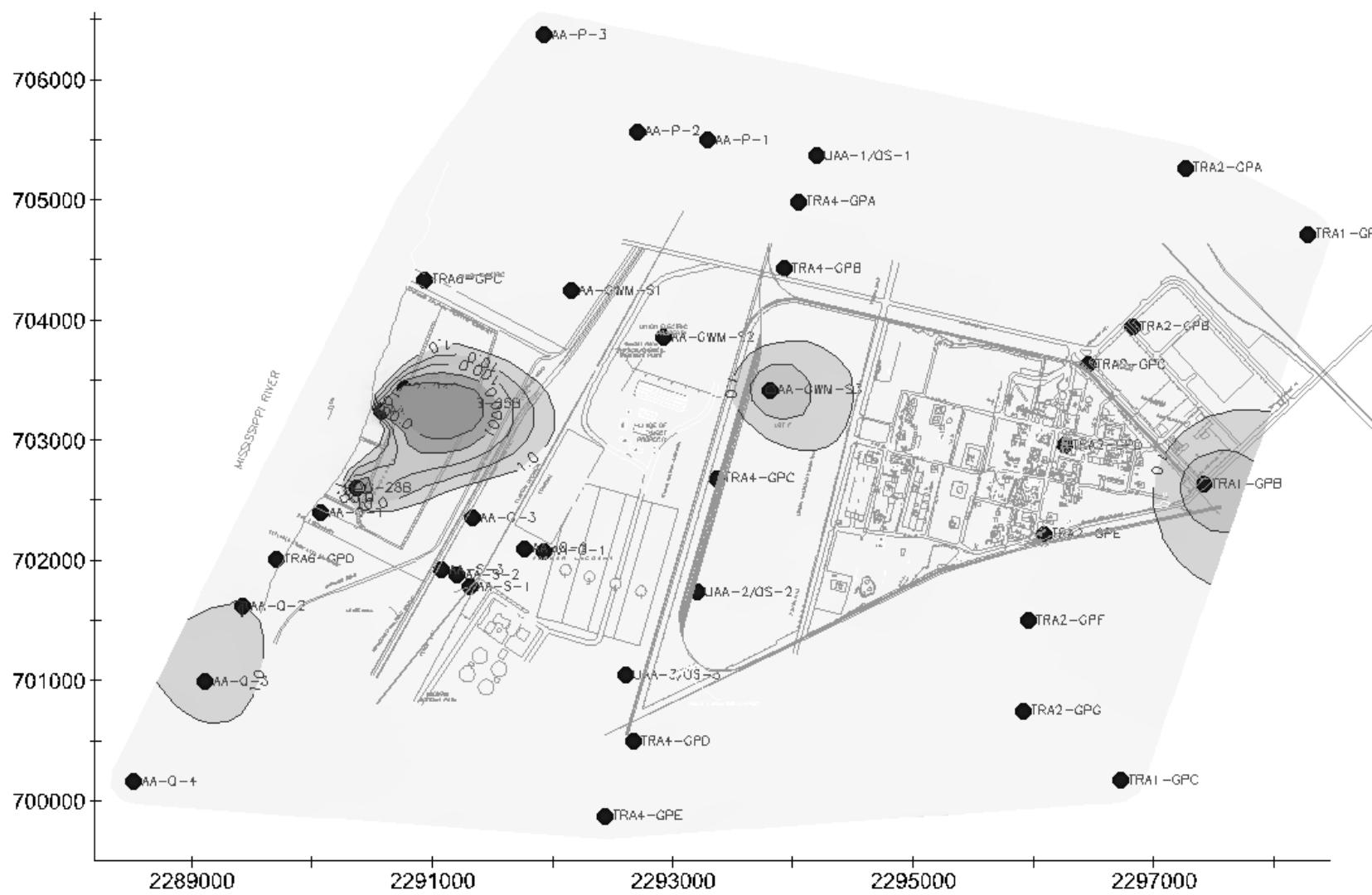
**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**

**Plan View****Maximum Concentration of Phenol in Groundwater 395 to 380 Elevation (SHU)****URS** <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

Date: 10/18/04

Figure  
Number: 4-25Project  
Number: 21561388.00000

**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**

**Plan View****Maximum Concentration of Phenol in Groundwater 380 to 350 Elevation (MHU)****URS**

&lt;1 ug/l

100 to 1000 ug/l

1 to 10 ug/l

1000 to 10000 ug/l

10 to 100 ug/l

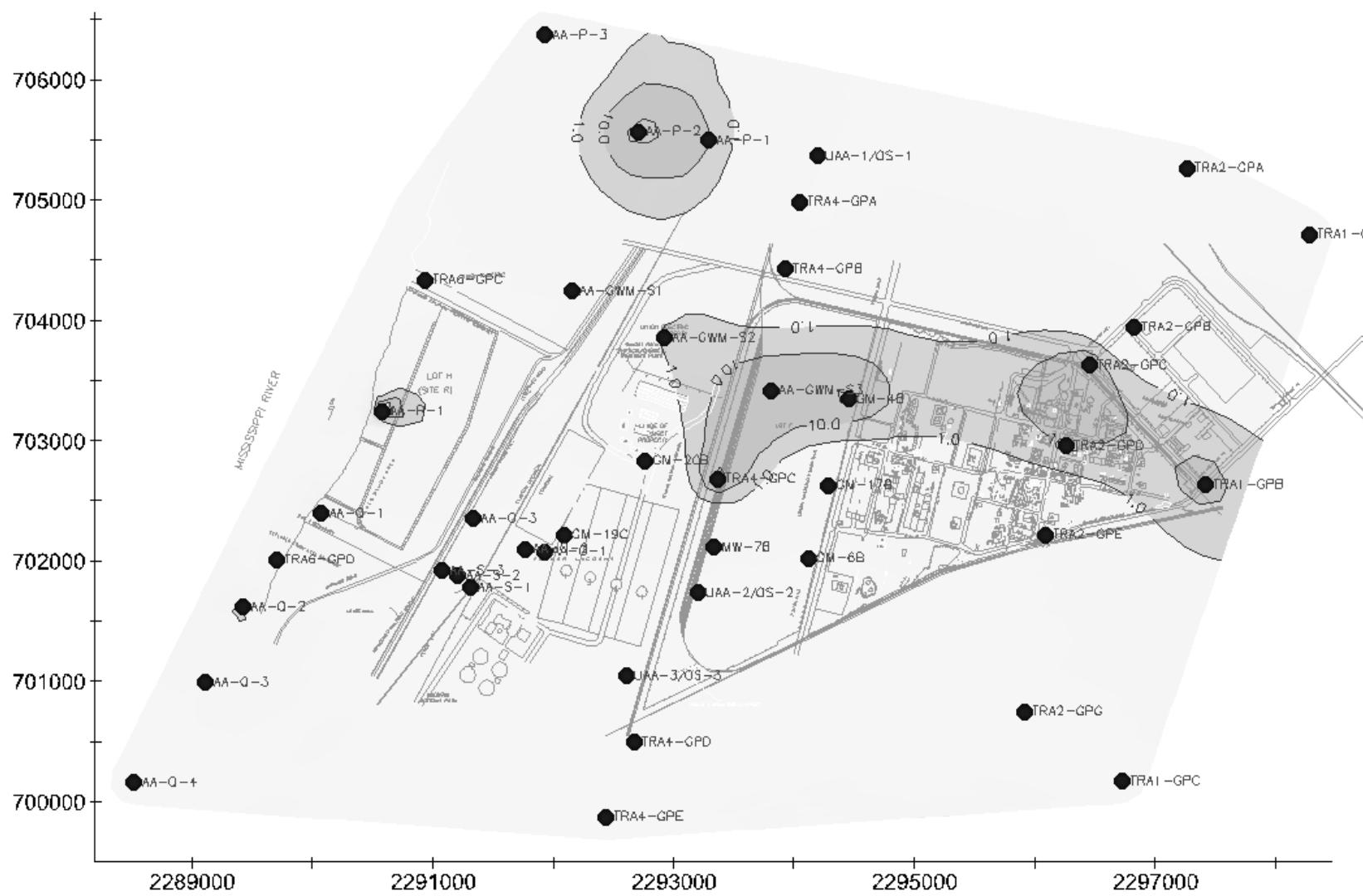
&gt;10000 ug/l



Date: 10/18/04

Figure  
Number: 4-26Project  
Number: 21561388.00000

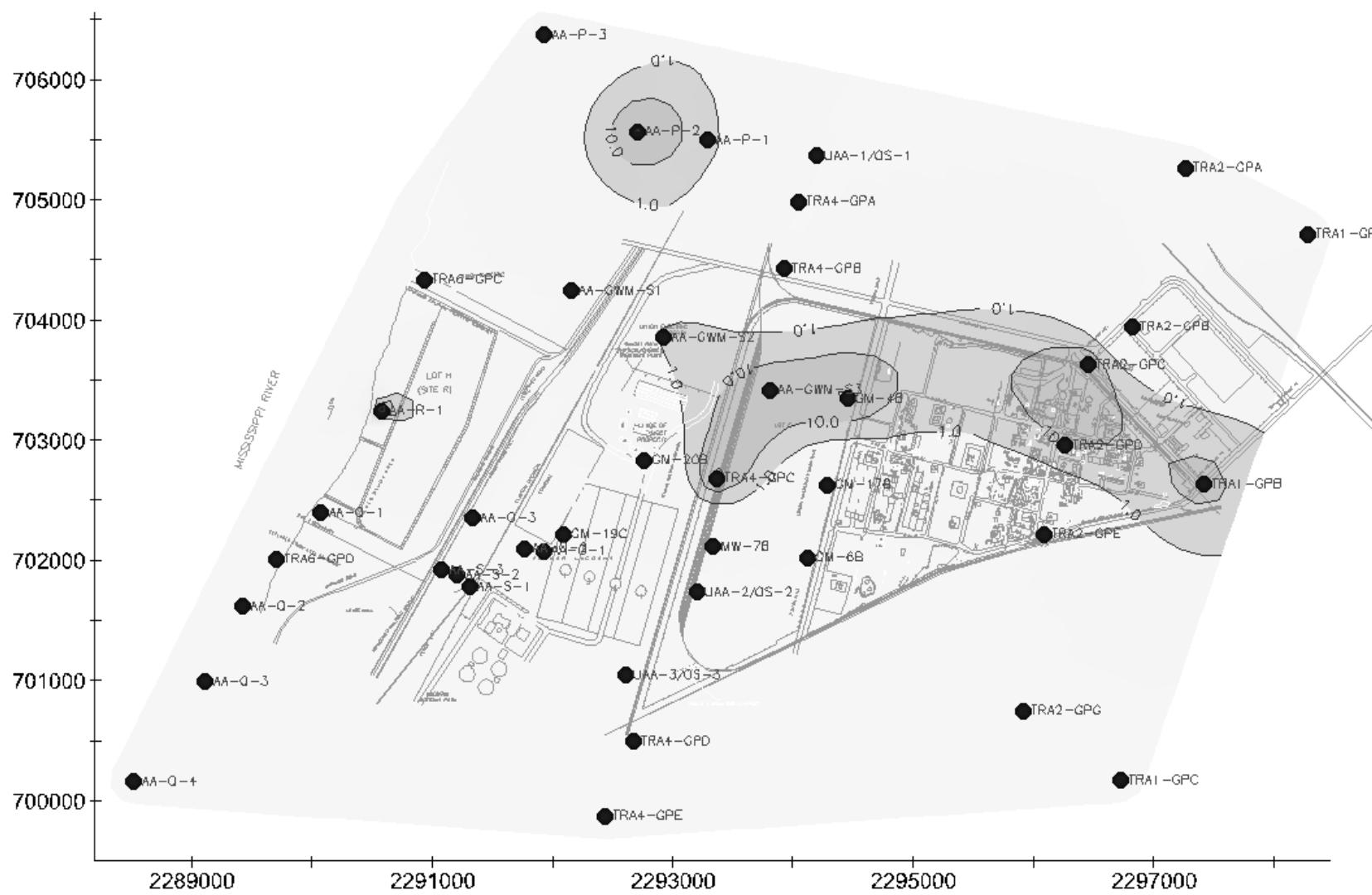
**RCRA Corrective Measures Study  
Addendum II  
W.G. Krummrich Facility  
Sauget, Illinois**

**Plan View****Maximum Concentration of Phenol in Groundwater 350 Elevation to Bedrock (DHU)****URS** <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

Date: 10/18/04

Figure  
Number: 4-27Project  
Number: 21561388.00000

**RCRA Corrective Measures Study  
Addendum II  
W.G. Krummrich Facility  
Sauget, Illinois**

**Plan View****URS****Maximum Concentration of Phenol in Groundwater at Bedrock (DHU)** <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

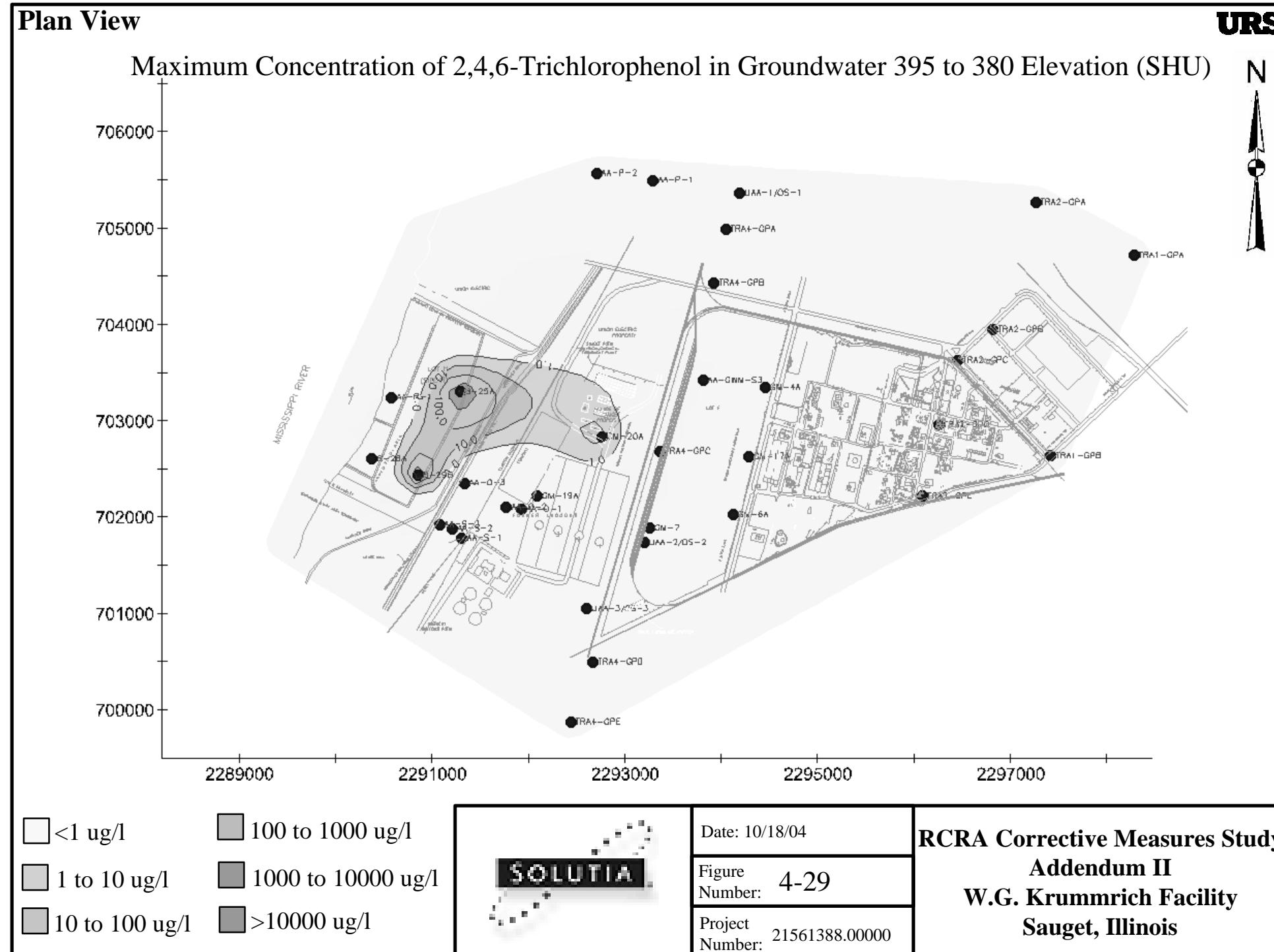
Date: 10/18/04

Figure  
Number: 4-28Project  
Number: 21561388.00000

**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**

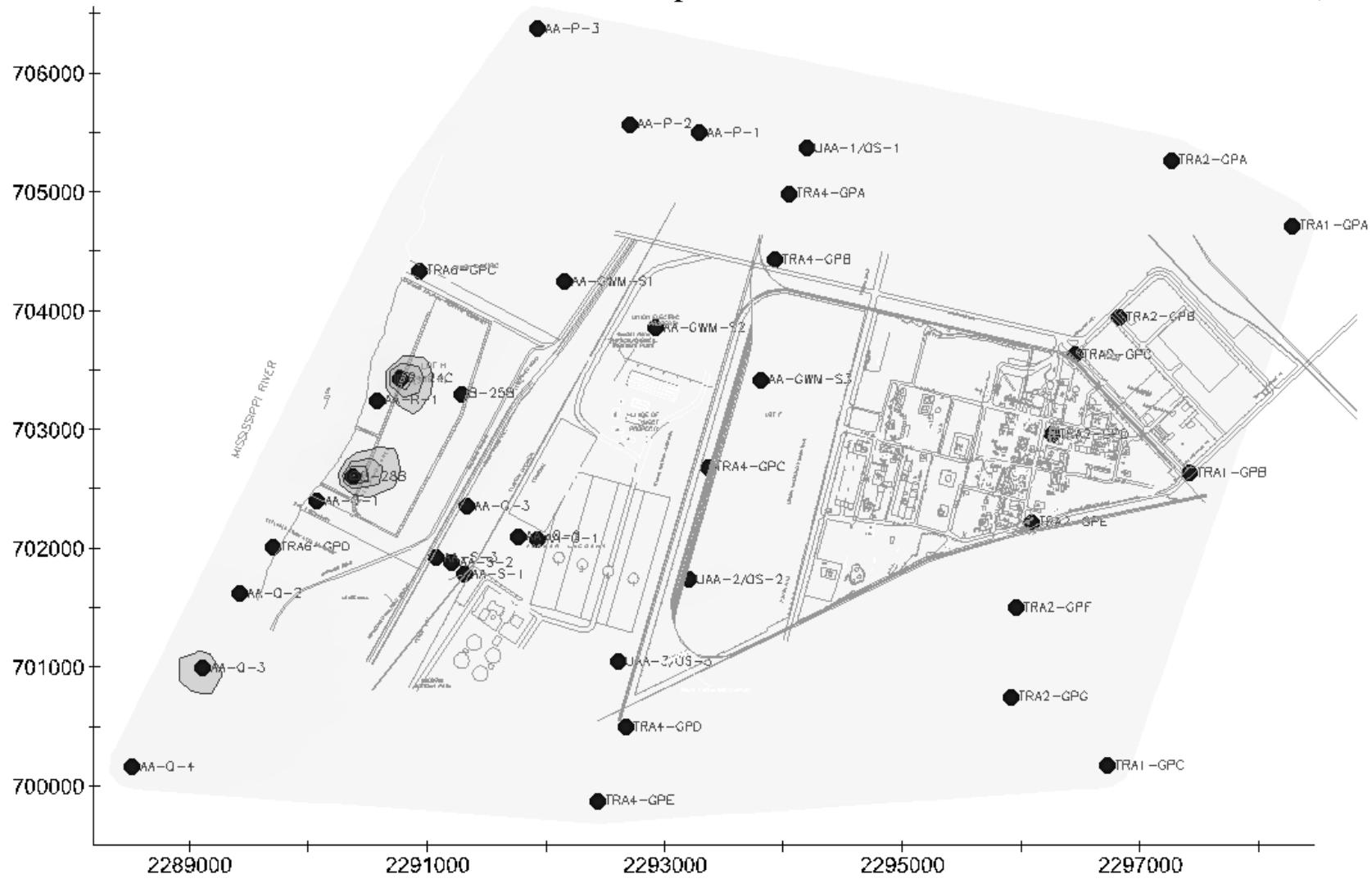
**URS****Plan View**

## Maximum Concentration of 2,4,6-Trichlorophenol in Groundwater 395 to 380 Elevation (SHU)



**URS****Plan View**

## Maximum Concentration of 2,4,6-Trichlorophenol in Groundwater 380 to 350 Elevation (MHU)

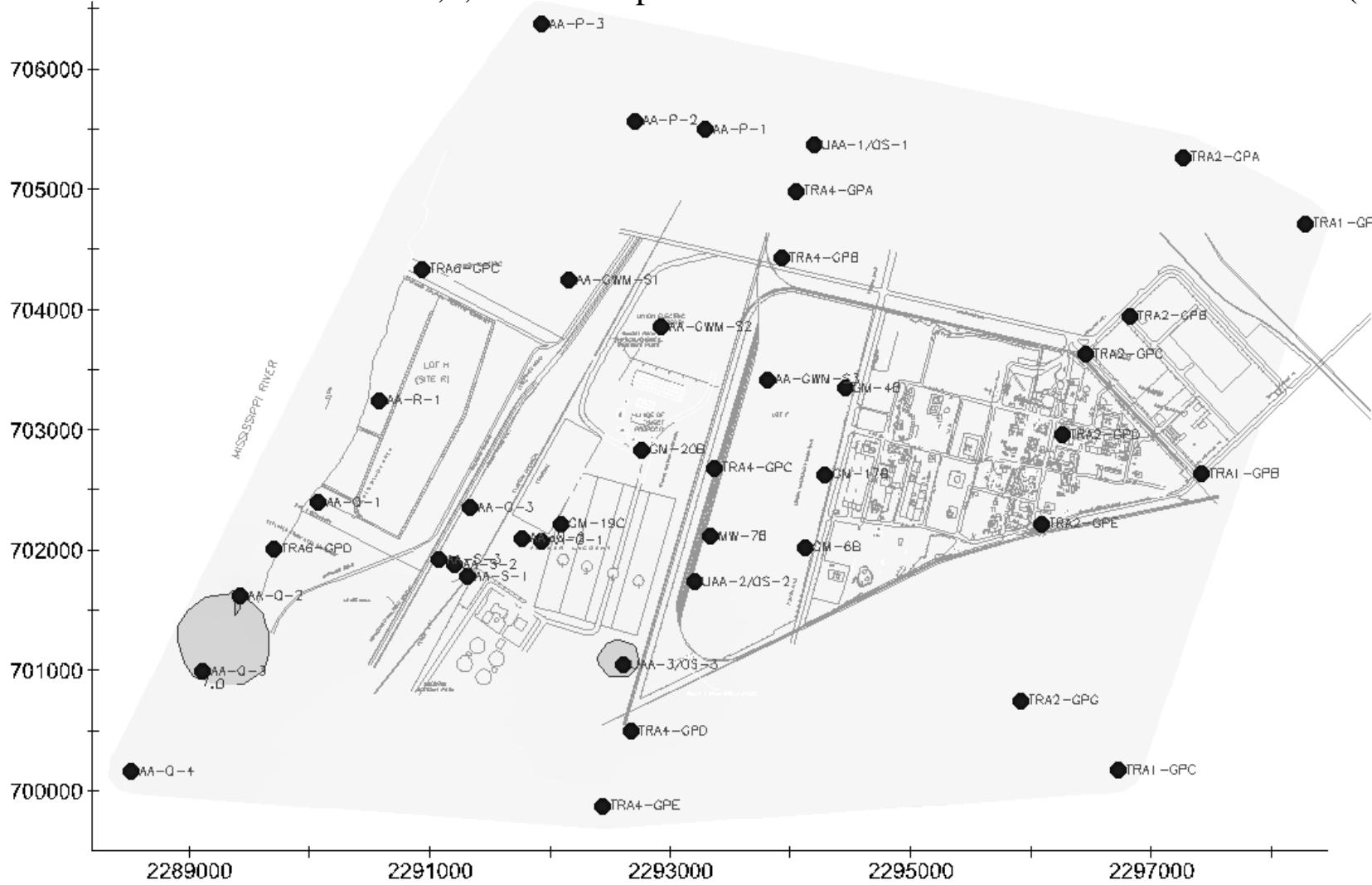


Date: 10/18/04

Figure  
Number: 4-30Project  
Number: 21561388.00000

**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**



**URS****Plan View****Maximum Concentration of 2,4,6-Trichlorophenol in Groundwater 350 Elevation to Bedrock (DHU) N**

&lt;1 ug/l

1 to 10 ug/l

10 to 100 ug/l

100 to 1000 ug/l

1000 to 10000 ug/l

&gt;10000 ug/l



Date: 10/18/04

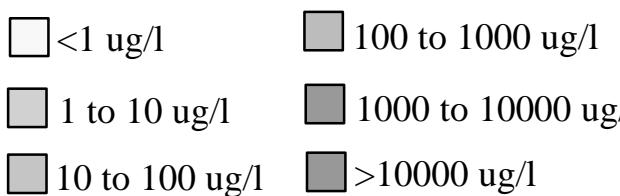
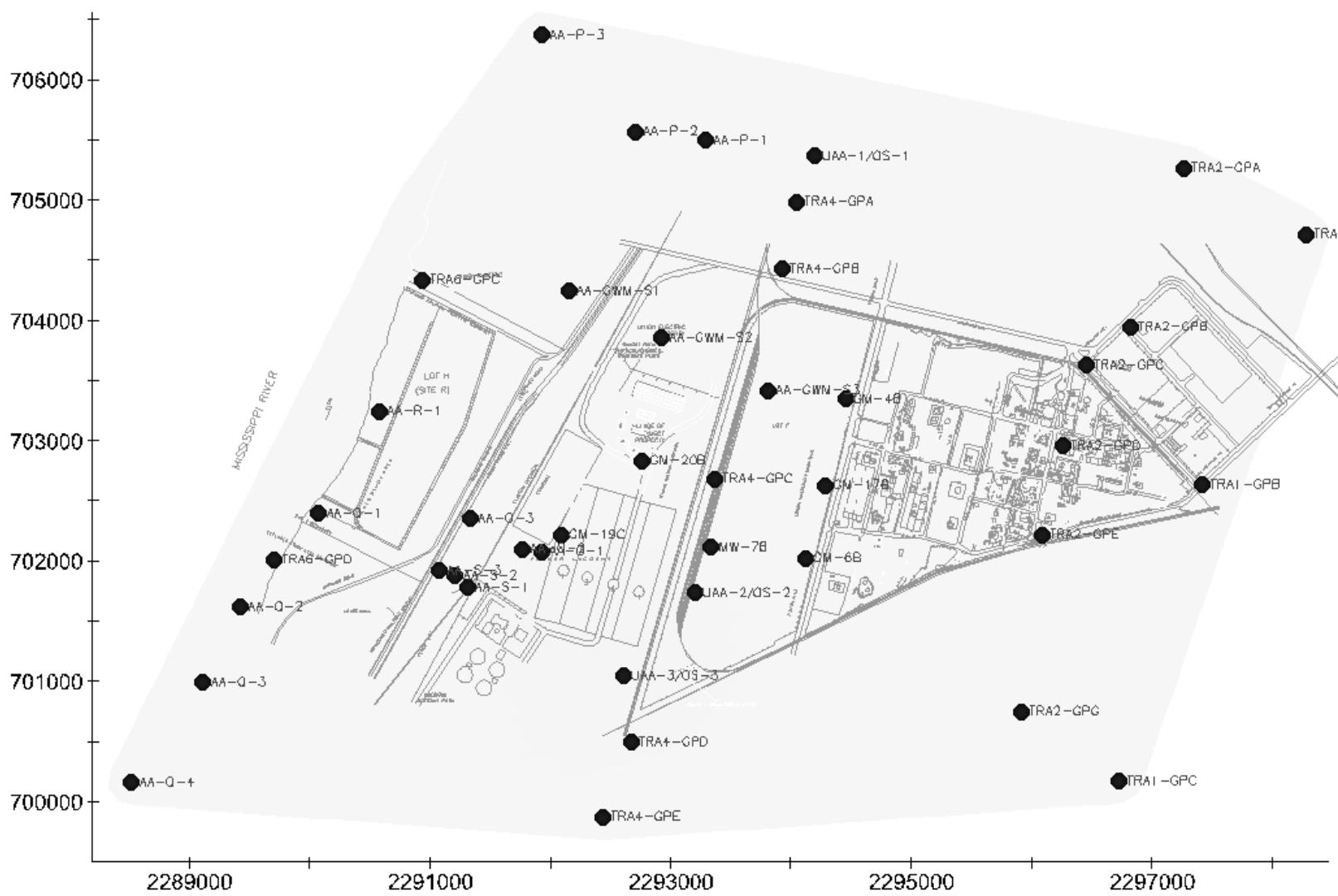
Figure  
Number: 4-31Project  
Number: 21561388.00000

**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**

## Plan View

## Maximum Concentration of 2,4,6-Trichlorophenol in Groundwater at Bedrock (DHU)

**URS**



Date: 10/18/04

Figure Number: 4-32

Project  
Number: 21561388.00000

## **RCRA Corrective Measures Study**

## Addendum II

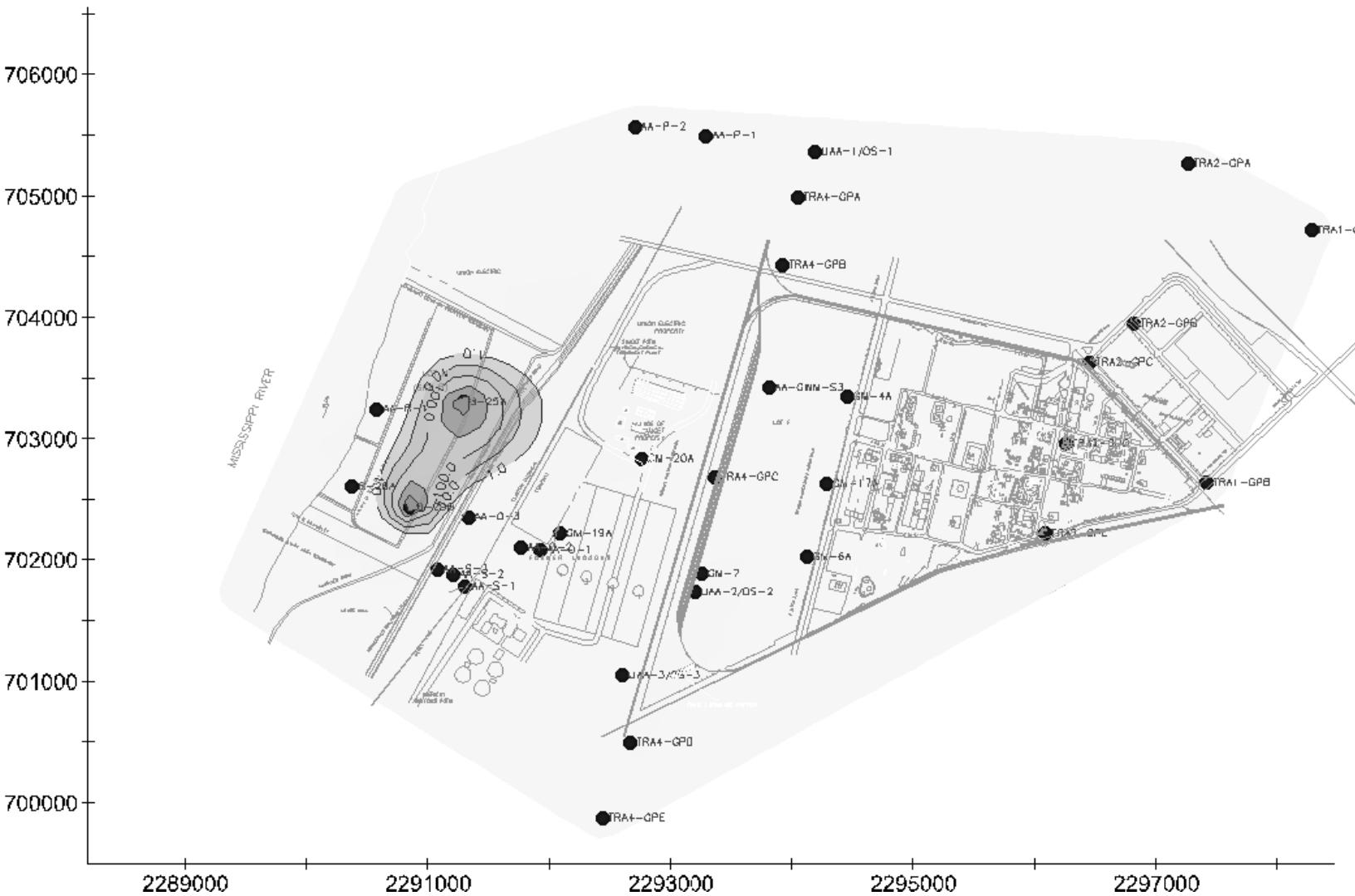
W.G. Krummrich Facility

## Sauget, Illinois

## Plan View

## Maximum Concentration of Methylphenols in Groundwater 395 to 380 Elevation (SHU)

**URS**



<1 ug/l

100 to 1000 ug/l

 1 to 10 ug/l

1000 to 10000 ug/

 10 to 100 µg/L

 >10000 ug/l

SOLUTIA

Date: 10/18/04

Figure Number: 4-33

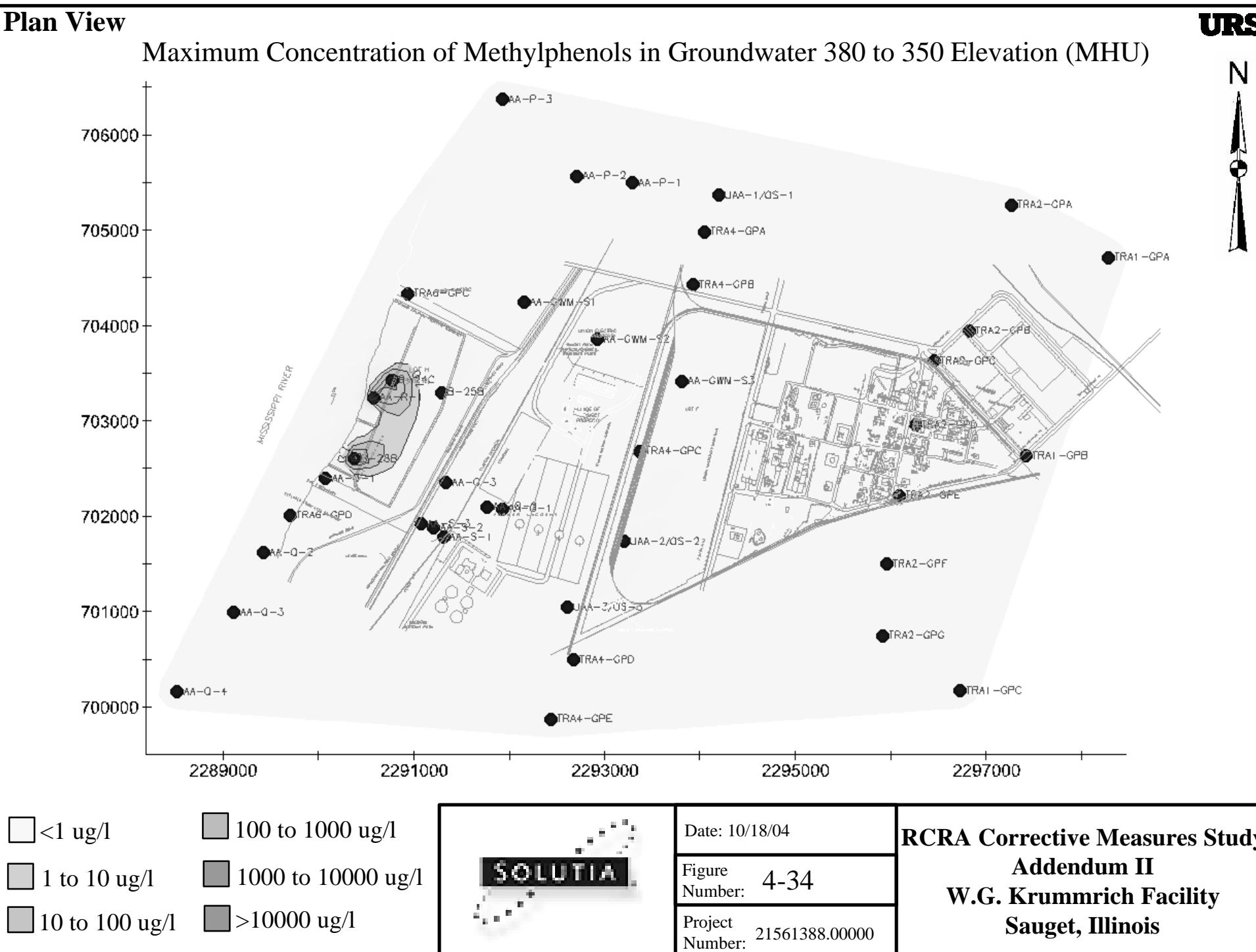
Project  
Number: 21561388.0000

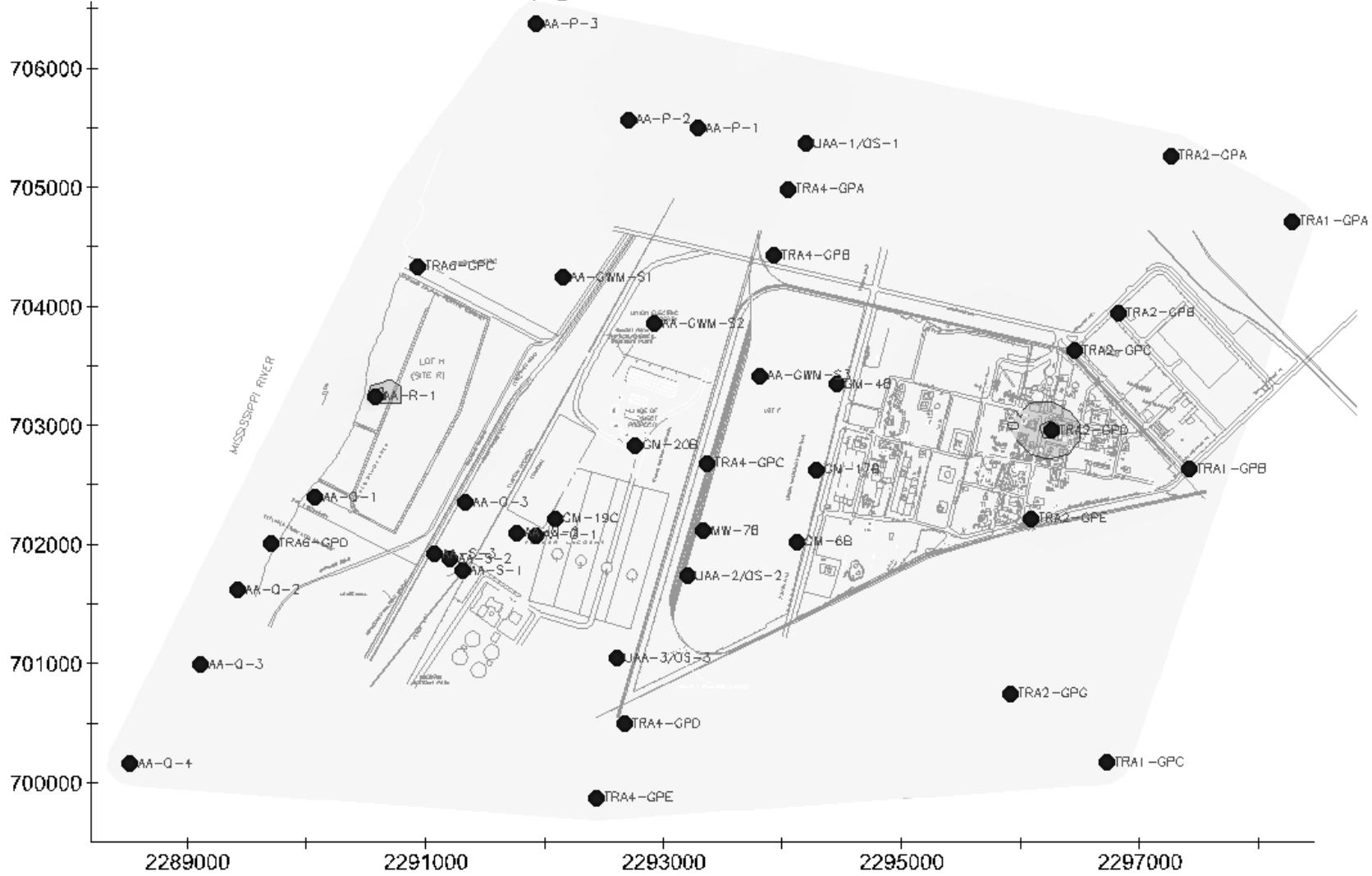
**RCRA Corrective Measures Study  
Addendum II  
W.G. Krummrich Facility  
Sauget, Illinois**

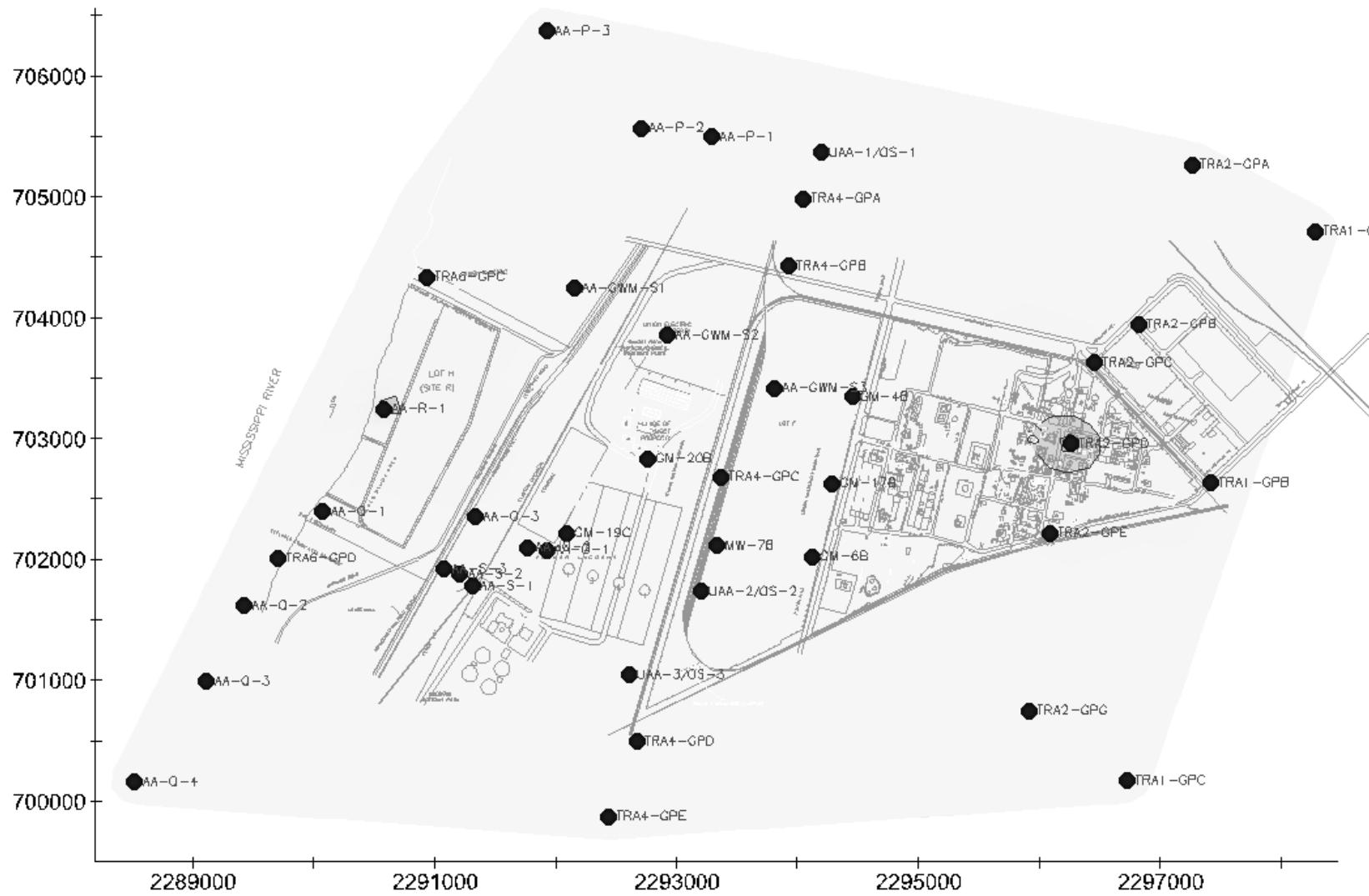
## Plan View

**URS**

## Maximum Concentration of Methylphenols in Groundwater 380 to 350 Elevation (MHU)



**URS****Plan View****Maximum Concentration of Methylphenols in Groundwater 350 Elevation to Bedrock (DHU)**

**Plan View****Maximum Concentration of Methylphenols in Groundwater at Bedrock (DHU)****URS** <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

Date: 10/18/04

Figure  
Number: 4-36Project  
Number: 21561388.00000

**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**

## Plan View

## Maximum Concentration of Acetone in Groundwater 395 to 380 Elevation (SHU)

**URS**



<1 ug/l

 1 to 10 ug/l

10 to 100  $\mu\text{g}/\text{L}$

100 to 1000 ug/l

 1000 to 10000  $\mu\text{g}/$

>10000 ug/l



Date: 10/18/04

Figure Number: 4-37

Project  
Number: 21561388.0000

## **RCRA Corrective Measures Study**

## Addendum II

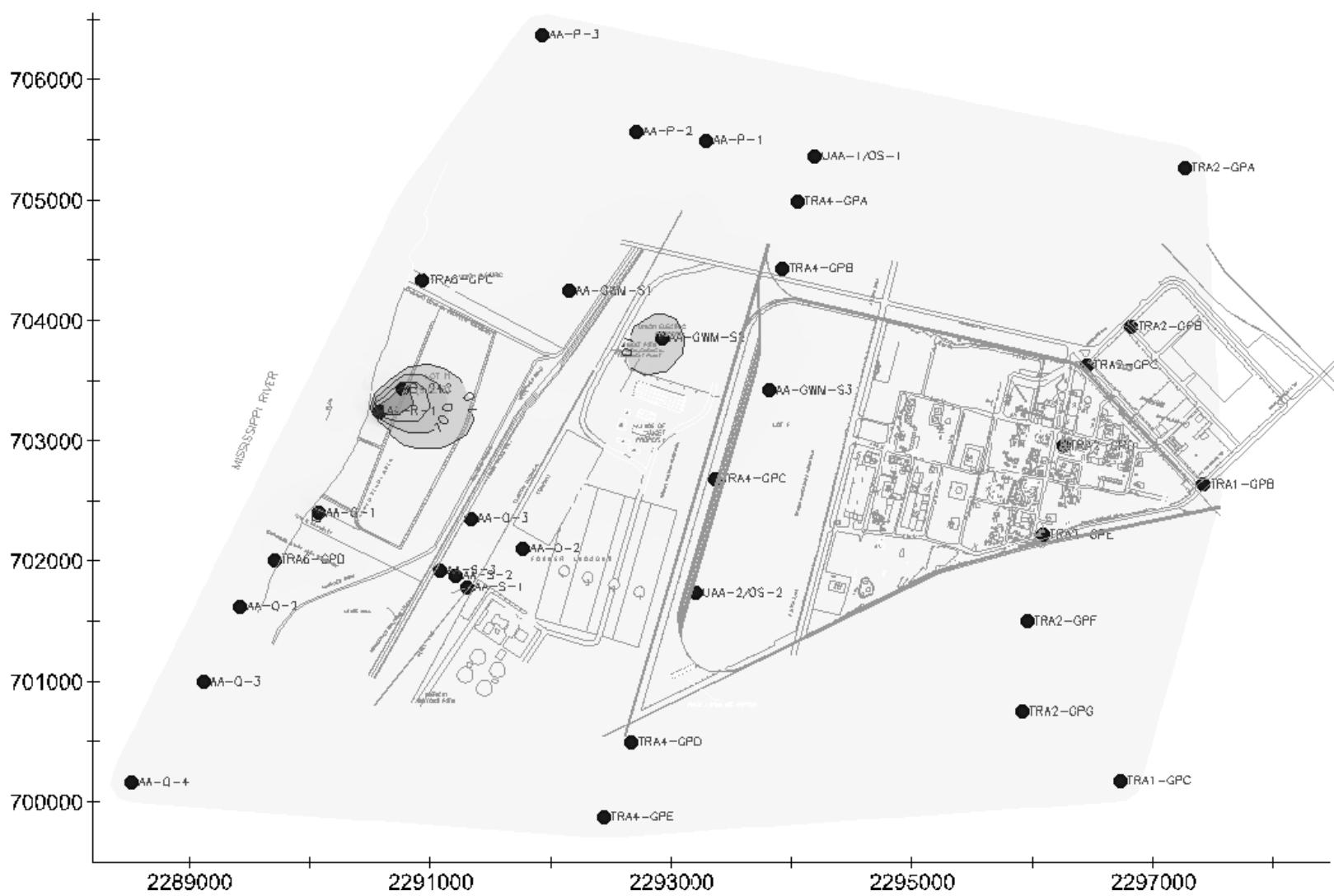
W.G. Krummrich Facility

## Sauget, Illinois

## Plan View

## Maximum Concentration of Acetone in Groundwater 380 to 350 Elevation (MHU)

**URS**



<1 ug/l

 1 to 10 ug/l

10 to 100 ug

---

Page 1 of 1

100 to 1000 ug/l

 1000 to 10000 µg

 >10000 ug/l

---



Date: 10/18/04

Figure  
Number: 4-38

Project  
Number: 21561388.00000

## **RCRA Corrective Measures Study**

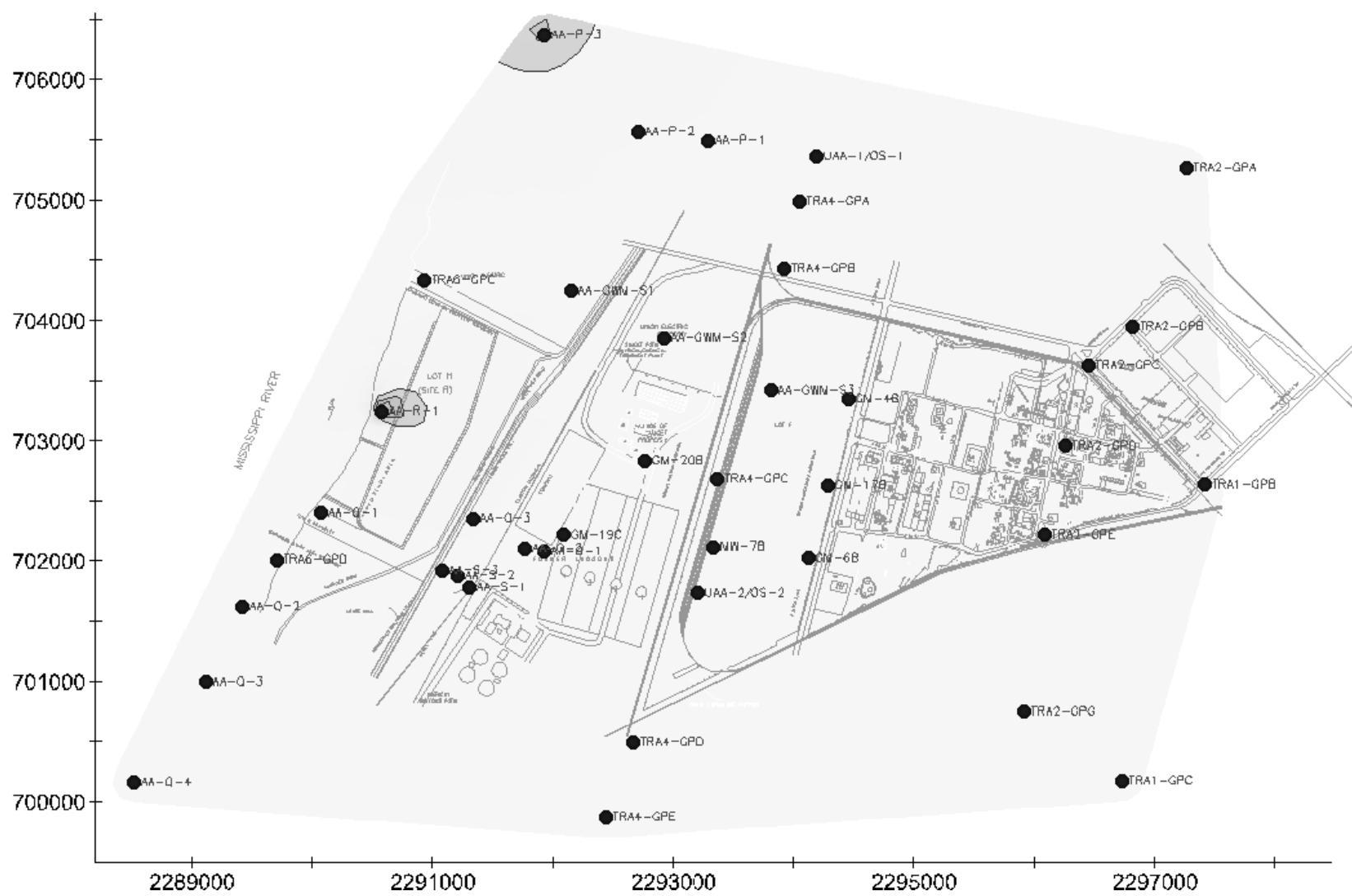
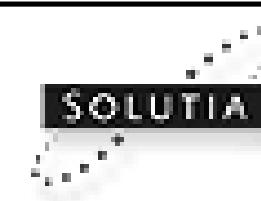
Addendum II

**W.G. Krummrich Facility**

## Sauget, Illinois

**URS****Plan View**

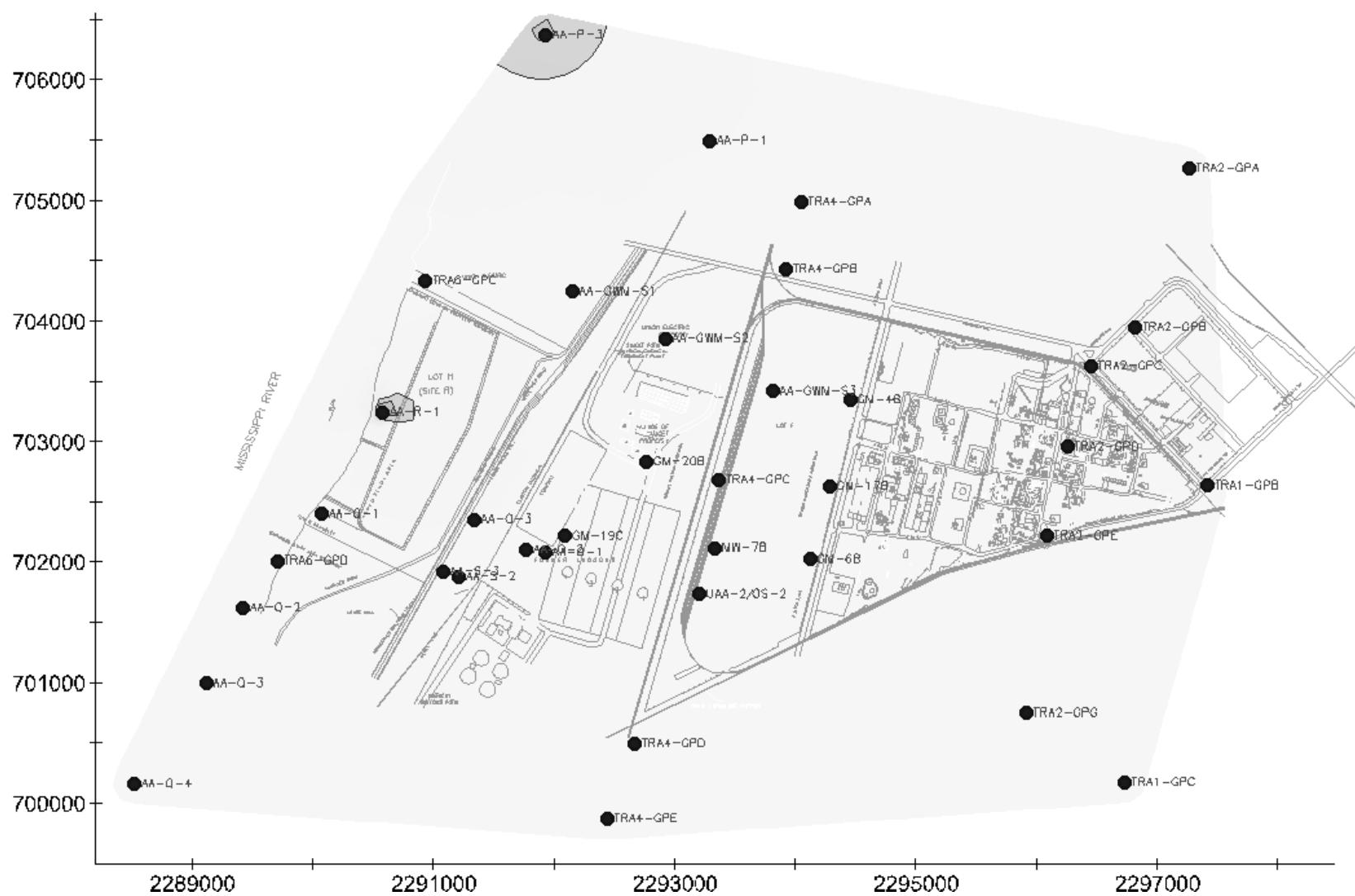
## Maximum Concentration of Acetone in Groundwater 350 Elevation to Bedrock (DHU)

 <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

Date: 10/18/04

Figure  
Number: 4-39Project  
Number: 21561388.00000

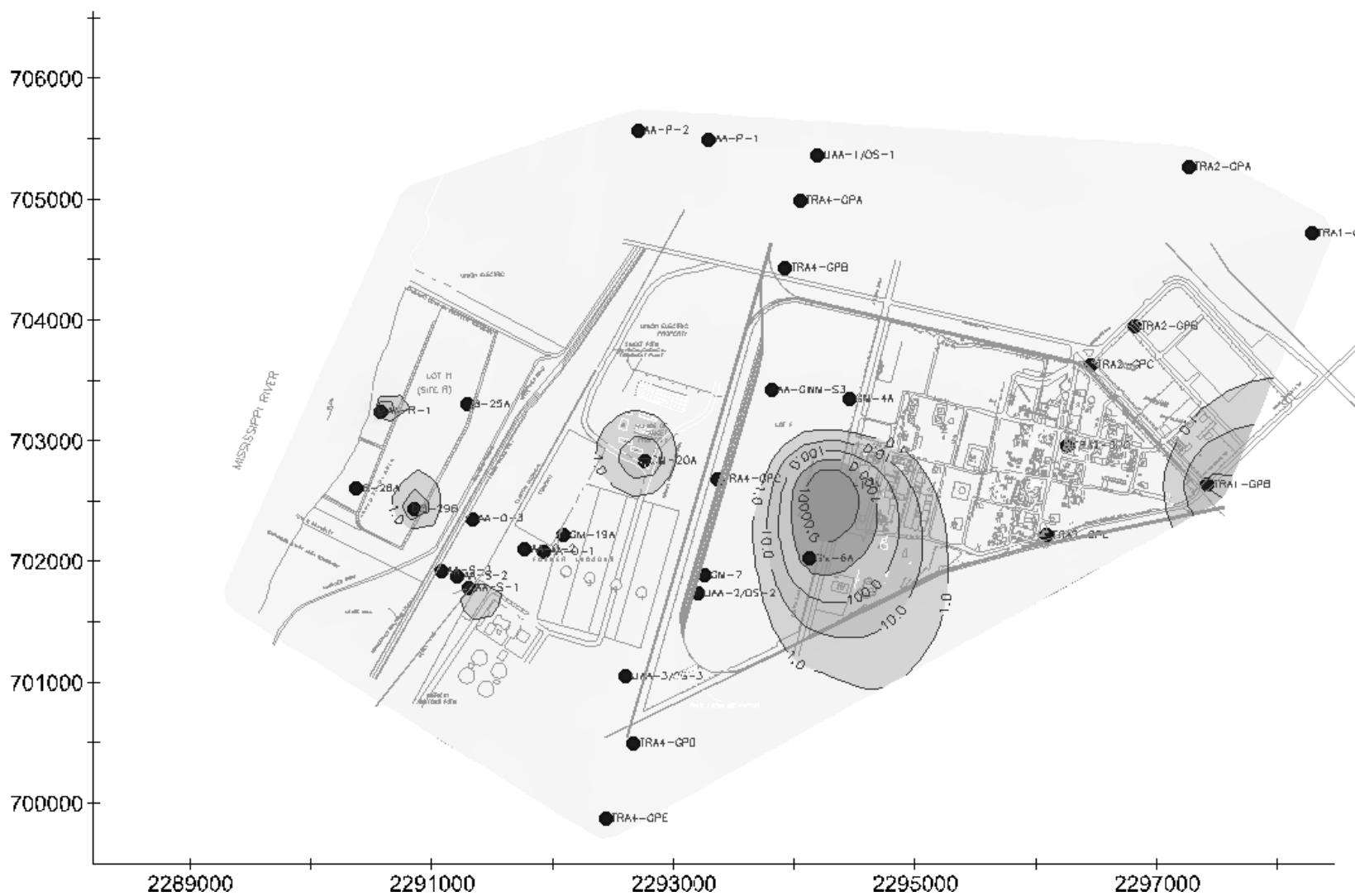
**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**

**Plan View****Maximum Concentration of Acetone in Groundwater at Bedrock (DHU)****URS**

## Plan View

## Maximum Concentration of BTEX in Groundwater 395 to 380 Elevation (SHU)

URS



<1 ug/l

 1 to 10 ug/l

 10 to 100  $\mu\text{g}/\text{l}$

 100 to 1000 ug/l

 1000 to 10000 ug

>10000 ug/l



Date: 10/18/04

Figure Number: 4-41

Project  
Number: 21561388.00000

## **RCRA Corrective Measures Study**

## Addendum II

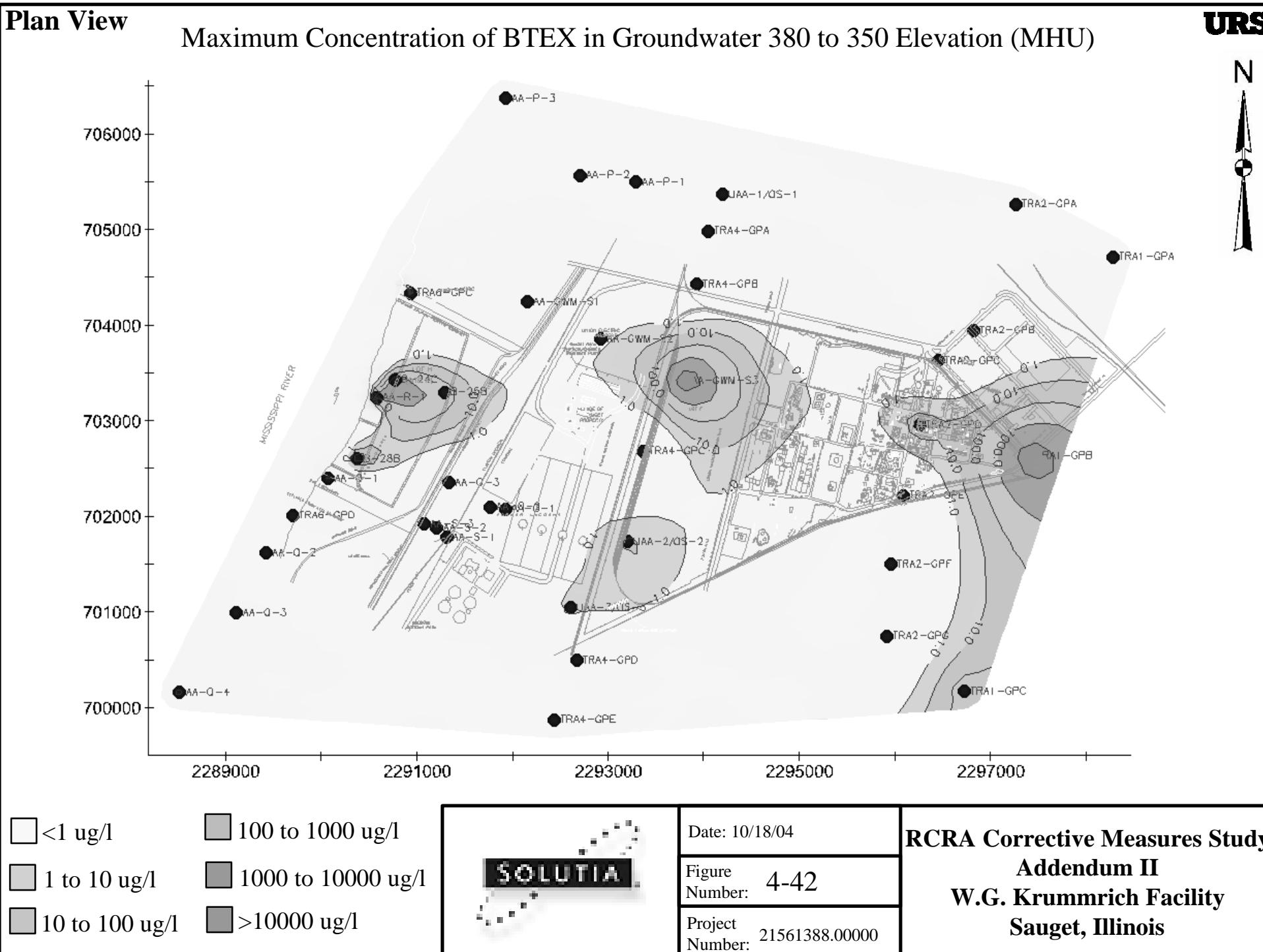
**W.G. Krummrich Facility**

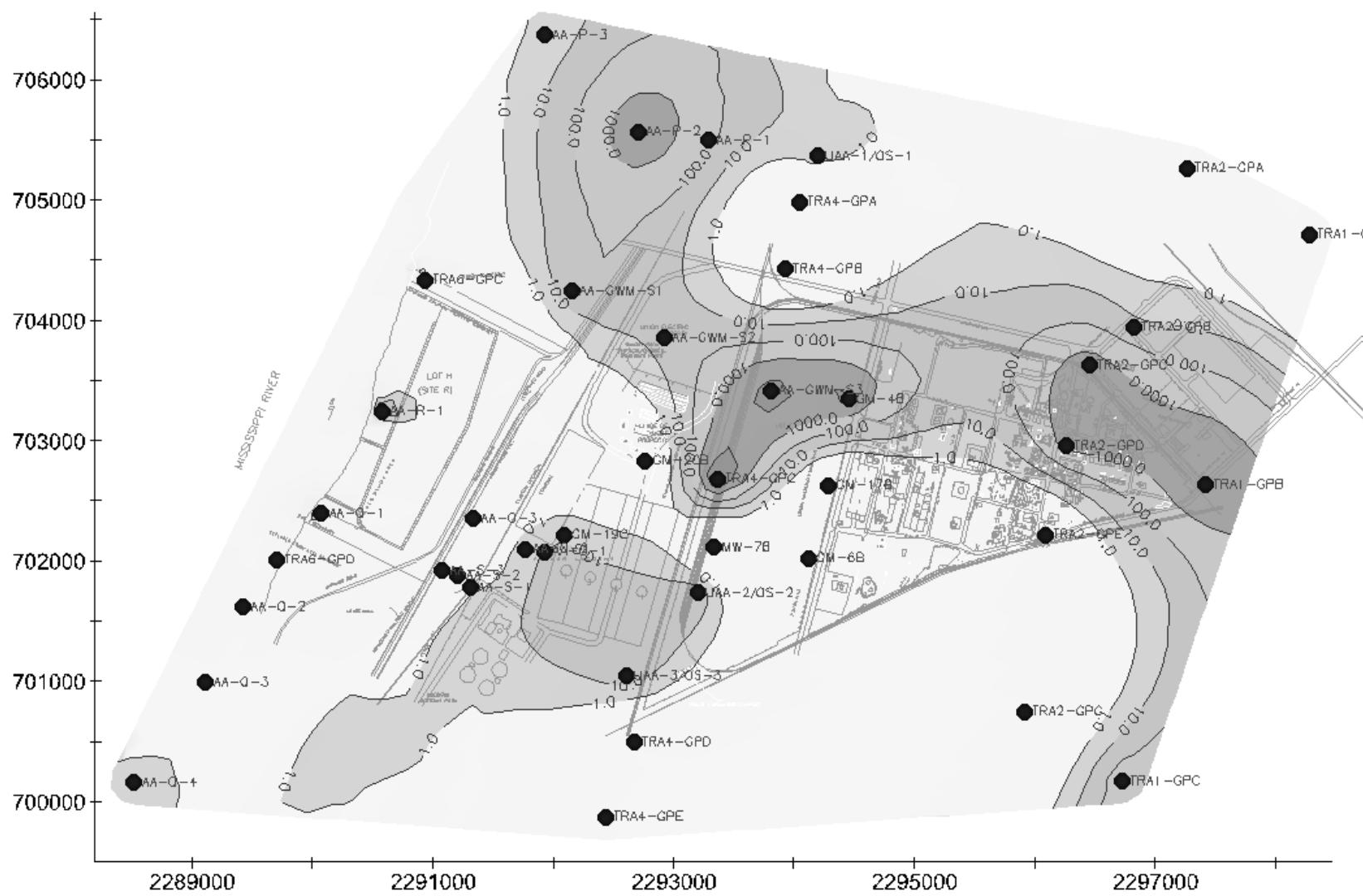
## Sauget, Illinois

## Plan View

## Maximum Concentration of BTEX in Groundwater 380 to 350 Elevation (MHU)

**URS**



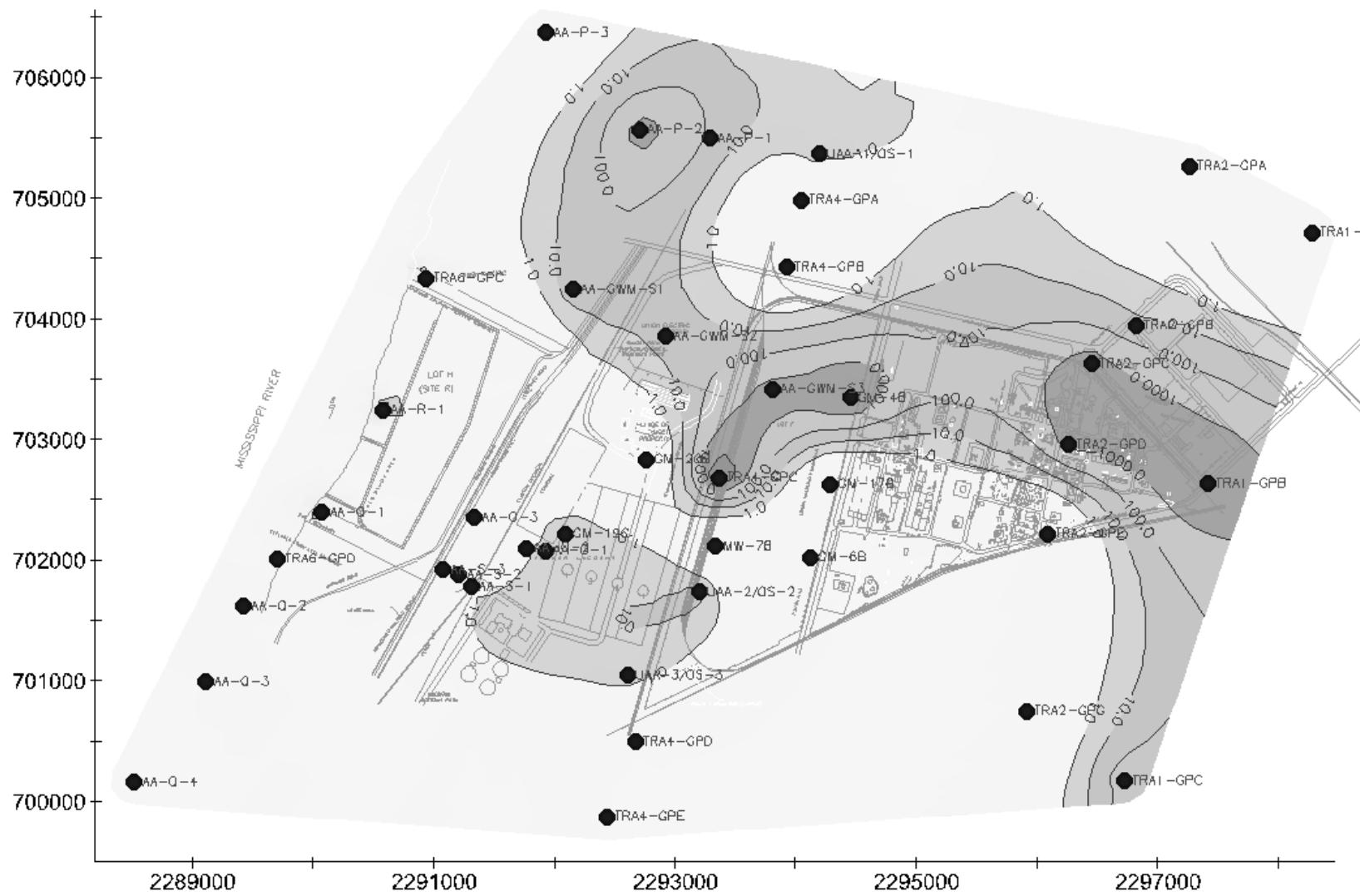
**Plan View****Maximum Concentration of BTEX in Groundwater 350 Elevation to Bedrock (DHU)****URS** <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

Date: 10/18/04

Figure Number: 4-43

Project Number: 21561388.00000

**RCRA Corrective Measures Study  
Addendum II  
W.G. Krummrich Facility  
Sauget, Illinois**

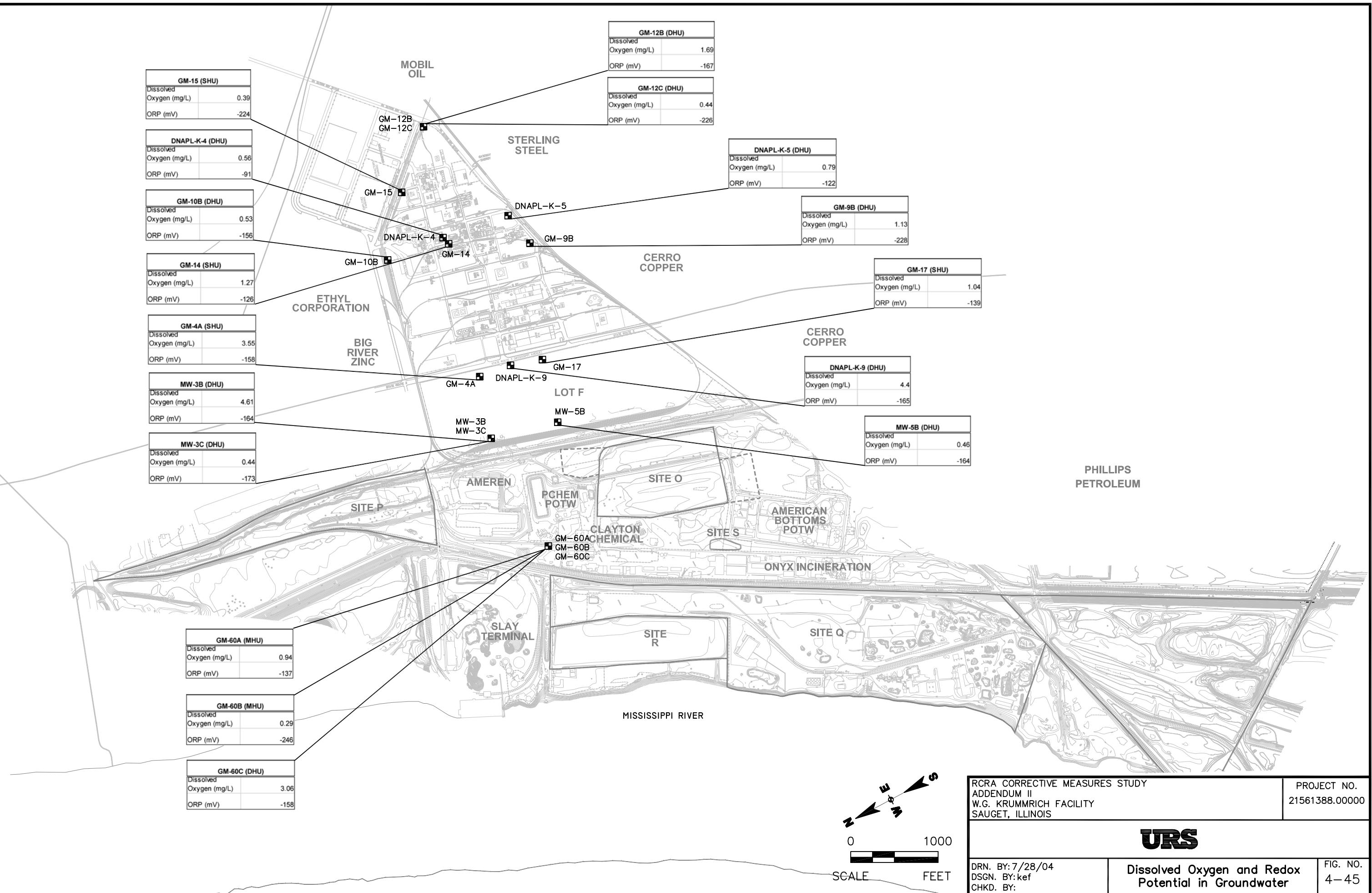
**Plan View****Maximum Concentration of BTEX in Groundwater at Bedrock (DHU)****URS** <1 ug/l 100 to 1000 ug/l 1 to 10 ug/l 1000 to 10000 ug/l 10 to 100 ug/l >10000 ug/l

Date: 10/18/04

Figure Number: 4-44

Project Number: 21561388.00000

**RCRA Corrective Measures Study  
Addendum II  
W.G. Krummrich Facility  
Sauget, Illinois**



**Table 4-1**  
**Groundwater Analytical Data**

Point ID	Elevation FT (MSL)	Benzene	Chlorobenzene	Chloroaniline	Total Chlorophenols	Total Dichlorobenzene	2,4-Dichlorophenol	Phenol	2,4,6-Trichlorophenol	Total Methylphenols	Acetone	BTEX	Units
<b>Shallow Hydrostatic Unit (SHU)</b>													
AA-GWM-S3	391	N.D.	89	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-1	392	0.1	7.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	0.1	ug/l
AA-O-1	382	0.13	5.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	0.13	ug/l
AA-O-2	395	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.04	ug/l
AA-O-2	385	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-3	386	N.D.	0.48	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-1	384	N.D.	N.D.	N.D.	0.21	N.D.	N.D.	N.D.	N.D.	N.D.	39	N.D.	ug/l
AA-R-2	386	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.86	ug/l
AA-R-1	392	510	2000	11000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	579	ug/l
AA-S-1	387	3	N.D.	N.D.	N.D.	1.5	N.D.	N.D.	N.D.	N.D.	N.D.	3.41	ug/l
AA-S-2	386	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-3	392	0.18	1.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	0.59	ug/l
AA-S-3	382	N.D.	1.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.D.	ug/l
B-25A	394	N.A.	7900	N.D.	228000	N.D.	120000	290000	12000	60000	9000	N.D.	ug/l
B-28A	391	N.D.	160	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
B-29B	387	N.D.	1200	N.D.	250000	N.D.	61000	680000	9000	160000	N.D.	320	ug/l
GM-17A	392	760000	220000	N.D.	59	N.D.	N.D.	100	N.D.	N.D.	N.D.	760000	ug/l
GM-19A	387.5	N.D.	7.2	N.D.	256	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
GM-20A	387.5	200	140	100	59	28	17	N.D.	28	N.D.	N.D.	242	ug/l
GM-4A	386	N.D.	46	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
GM-6A	388	3600	30000	N.D.	78	50	N.D.	30	N.D.	N.D.	N.D.	3600	ug/l
GM-7	385	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA1-GPA	388	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.D.	ug/l
TRA1-GPB	392	150	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	174	ug/l
TRA2-GPA	385	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA2-GPB	386	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA2-GPC	389	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA2-GPD	390	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA2-GPE	391	N.D.	15	N.D.	N.D.	47	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA4-GPA	393	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA4-GPB	387	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA4-GPC	392	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA4-GPD	390	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA4-GPE	392	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
UAA-1/OS-1	387	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
UAA-2/OS-2	392	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
UAA-2/OS-2	382	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.D.	ug/l
UAA-3/OS-3	381	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
<b>Middle Hydrostatic Unit (MUH)</b>													
AA-GWM-S1	351	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-GWM-S1	371	0.59	2.7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.59	ug/l
AA-GWM-S2	351	0.62	78	N.D.	2.3	N.D.	N.D.	N.D.	N.D.	N.D.	11	0.62	ug/l
AA-GWM-S2	371	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-GWM-S3	351	74000	100000	14	60	6.8	N.D.	170	N.D.	N.D.	N.D.	74000	ug/l
AA-GWM-S3	371	81000	180000	N.D.	70	14.1	N.D.	120	N.D.	N.D.	N.D.	81000	ug/l
AA-O-1	352	N.D.	5.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-1	362	N.D.	7.1	N.D.	N.D.	3.6	N.D.	N.D.	N.D.	N.D.	N.A.	N.D.	ug/l
AA-O-1	372	N.D.	32	N.D.	N.D.	10.9	N.D.	N.D.	N.D.	N.D.	N.A.	N.D.	ug/l
AA-O-2	355	N.D.	16	N.D.	N.D.	2.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-2	365	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-2	375	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.77	ug/l
AA-O-3	356	N.D.	4.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-3	366	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-3	376	N.D.	0.81	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-1	354	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-1	364	N.D.	N.A.	N.A.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-1	374	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-2	356	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-2	366	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-2	376	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-3	358.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-3	368.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-3	378.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.D.	ug/l
AA-Q-1	360	N.D.	240	80	3	29.5	N.D.	N.D.	N.D.	N.D.	16	N.D.	ug/l
AA-Q-1	370	2.4	130	130	4.2	43.5	1	N.D.	N.D.	N.D.	11	3.4	ug/l
AA-Q-2	358	N.D.	11	N.D.	50.8	3.3	43	14	N.D.	N.D.	N.D.	N.D.	ug/l
AA-Q-3	359	N.D.	51	5.8	28.6	2.6	19	N.D.	6	N.D.	N.A.	N.D.	ug/l
AA-Q-3	369	N.D.	170	N.D.	12.6	2.7	6.8	10	1.7	N.D.	N.D.	N.D.	ug/l
AA-Q-4	359	N.D.	9.8	N.A.	2.2	N.D.	2.2	N.D.	N.D.	N.D.	N.D.	1.16	ug/l
AA-Q-4	369	N.D.	59	N.D.	7.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	0.36	ug/l
AA-R-1	352	830	7500	51000	530	660	N.D.	26000	N.D.	2100	25000	4800	ug/l

**Table 4-1**  
**Groundwater Analytical Data**

AA-R-1	362	800	6900	46000	1700	370	N.D.	27000	N.D.	1700	21000	4340	ug/l
AA-R-1	372	1500	13000	40000	1700	270	N.D.	70000	N.D.	2997	83000	7260	ug/l
AA-S-1	357	N.D.	0.44	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-1	367	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-1	377	N.D.	N.D.	N.D.	N.D.	1.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-2	356	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-2	366	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	0.57	ug/l
AA-S-2	376	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
<b>Middle Hydrostatic Unit (MHU)</b>													
AA-S-3	352	N.D.	2.1	N.D.	N.D.	1.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-3	362	N.D.	1.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-3	372	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.34	ug/l
B-24C	361	1900	7300	15000	132500	N.D.	73000	64000	9500	6200	2300	4020	ug/l
B-25B	380	N.A.	14000	N.D.	11000	N.D.	63000	340000	N.D.	N.D.	N.A.	510	ug/l
B-28B	377	N.A.	3300	92000	81200	5500	41000	77000	13000	22000	N.A.	970	ug/l
TRA1-GPA	368	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA1-GPB	370	37000	N.D.	N.D.	N.D.	N.D.	N.D.	81	N.D.	N.D.	N.D.	44420	ug/l
TRA1-GPC	370	390	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	493	ug/l
TRA2-GPA	365	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA2-GPB	366	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA2-GPC	371	N.D.	120	N.D.	N.D.	14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA2-GPD	370	49	1800	33	N.D.	960	N.D.	N.D.	N.D.	N.D.	N.D.	49	ug/l
TRA2-GPE	370	N.D.	540	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA2-GPF	354	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA2-GPF	370	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA2-GPG	370	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA4-GPA	370	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA4-GPB	367	N.D.	8.7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA4-GPC	370	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA4-GPD	370	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA4-GPE	370	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
TRA6-GPC	360	1100	6500	8600	N.D.	32	N.D.	N.D.	N.D.	N.D.	N.D.	1191	ug/l
TRA6-GPD	370	N.D.	5.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
UA-1/OS-1	357	N.D.	0.42	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
UA-1/OS-1	367	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
UA-1/OS-1	377	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
UA-2/OS-2	352	15	79	4.4	2.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15	ug/l
UA-2/OS-2	362	12	52	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	12	ug/l
UA-2/OS-2	372	0.27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	0.27	ug/l
UA-3/OS-3	361	3.6	160	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3.6	ug/l
UA-3/OS-3	371	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.D.	ug/l
UA-3/OS-3	351	1.2	160	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.2	ug/l
<b>Deep Hydrostatic Unit (DHU)</b>													
AA-GWM-S1	271	56	3000	5	38.3	103	2.3	N.D.	N.D.	N.D.	N.D.	56	ug/l
AA-GWM-S1	331	79	620	2.2	8.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	82.6	ug/l
AA-GWM-S1	311	76	2800	12	40	20.3	N.D.	N.D.	N.D.	N.D.	N.D.	76	ug/l
AA-GWM-S1	291	68	3700	6.3	51.3	198.5	5.3	N.D.	N.D.	N.D.	N.D.	68	ug/l
AA-GWM-S2	331	N.D.	5100	N.D.	50.8	127.9	1.8	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-GWM-S2	311	18	8200	N.D.	58.3	195.4	2.3	N.D.	N.D.	N.D.	N.D.	18	ug/l
AA-GWM-S2	291	23	6700	N.D.	46	387	4	N.D.	N.D.	N.D.	N.D.	23	ug/l
AA-GWM-S3	331	24000	40000	10	38	4	N.D.	95	N.D.	N.D.	N.D.	24088	ug/l
AA-GWM-S3	311	1900	5500	6.2	28	203.7	1.7	40	N.D.	N.D.	N.D.	1900	ug/l
AA-O-1	342	N.D.	7.8	N.D.	N.D.	1.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-1	332	N.D.	180	N.D.	4.8	3	N.D.	N.D.	N.D.	N.D.	N.D.	0.52	ug/l
AA-O-1	322	N.D.	620	1.1	11	4.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-1	312	N.D.	1500	3.4	18	54	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-1	302	9.6	1300	4.1	22.4	84.2	3.4	N.D.	N.D.	N.D.	N.D.	9.6	ug/l
AA-O-1	292	N.D.	900	2.8	20.5	68.3	3.5	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-1	288	N.D.	400	N.D.	7.7	22.2	1.2	N.D.	N.D.	N.D.	N.D.	1	ug/l
AA-O-2	345	N.D.	14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-2	335	N.D.	32	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-2	325	N.D.	380	1.3	7.6	4.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-2	315	2.4	850	1.4	12	11.1	N.D.	N.D.	N.D.	N.D.	N.D.	2.4	ug/l
AA-O-2	305	N.D.	460	N.D.	7.5	9.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-2	295	4.5	1000	1.4	15.7	53.9	1.7	N.D.	N.D.	N.D.	N.D.	4.5	ug/l
AA-O-2	287	N.D.	560	N.D.	8.1	9.7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-2	284	0.33	70	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.91	ug/l
AA-O-3	346	N.D.	8.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-3	336	N.D.	12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-3	326	N.D.	100	N.D.	2	1.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-3	316	N.D.	340	1.3	6.8	6.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-3	306	N.D.	490	1.2	6.8	6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-O-3	296	N.D.	690	N.D.	15	9.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l

**Table 4-1**  
**Groundwater Analytical Data**

AA-O-3	286	N.D.	520	N.D.	13	5.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-1	344	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.4	N.D.	N.D.	ug/l
AA-P-1	334	N.D.	5.8	N.D.	6.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-1	324	N.D.	12	N.D.	5.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-1	314	N.D.	4.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-1	304	190	4900	24	82.7	10	N.D.	14	N.D.	N.D.	N.D.	190	ug/l
AA-P-1	294	60	4600	7.3	46	9.8	N.D.	3.4	N.D.	N.D.	N.D.	60	ug/l
AA-P-1	288	77	2300	2.8	25.9	3.1	N.D.	2.8	N.D.	N.D.	N.D.	77	ug/l
AA-P-2	346	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-2	336	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-2	326	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-2	316	N.D.	3.7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-2	306	6900	490	N.D.	5.3	N.D.	N.D.	280	N.D.	N.D.	N.D.	7047	ug/l
AA-P-2	296	6000	500	2.4	3.3	1.5	N.D.	180	N.D.	N.D.	N.A.	6000	ug/l
AA-P-2	288	2800	480	2.4	4.6	N.D.	N.D.	120	N.D.	N.D.	N.A.	2800	ug/l
AA-P-3	348.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.9	ug/l
<b>Deep Hydrostatic Unit (DHU)</b>													
AA-P-3	338.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.85	ug/l
AA-P-3	328.5	0.54	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.54	ug/l
AA-P-3	318.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-P-3	308.5	N.D.	0.45	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.54	ug/l
AA-P-3	298.5	1.3	6.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.77	ug/l
AA-P-3	288.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.D.	ug/l
AA-P-3	284.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	16	N.D.
AA-Q-1	350	N.D.	100	14	1.6	13.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-Q-1	340	N.D.	130	55	3.4	17.6	1	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-Q-1	330	1.4	220	110	3.7	12	N.D.	N.D.	N.D.	N.D.	N.D.	1.4	ug/l
AA-Q-1	320	N.D.	200	5.2	4.6	7.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-Q-1	310	10	130	1.6	3.6	6.2	N.D.	N.D.	N.D.	N.D.	N.D.	13.28	ug/l
AA-Q-1	300	28	310	27	10	13.5	N.D.	3.4	N.D.	N.D.	N.D.	30.1	ug/l
AA-Q-1	292.5	33	1100	3200	N.D.	459	N.D.	N.D.	N.D.	N.D.	N.D.	63.4	ug/l
AA-Q-2	348	N.D.	13	N.D.	7.8	4.6	7.8	N.D.	N.D.	N.D.	N.D.	0.34	ug/l
AA-Q-2	338	N.D.	16	N.D.	70	6.8	46	N.D.	19	N.D.	N.D.	N.D.	ug/l
AA-Q-2	328	N.D.	15	3.9	6.8	8.8	5.6	5.2	1.2	N.D.	N.D.	0.54	ug/l
AA-Q-2	318	N.D.	11	N.D.	6	7.7	4.9	N.D.	1.1	N.D.	N.D.	N.D.	ug/l
AA-Q-2	308	0.26	2.8	N.D.	N.D.	1.5	N.D.	N.D.	N.D.	N.A.	N.D.	0.83	ug/l
AA-Q-2	298	0.19	8.7	N.D.	N.D.	6.2	N.D.	N.D.	N.D.	N.D.	N.A.	0.94	ug/l
AA-Q-2	288	0.35	9.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.35	ug/l
AA-Q-2	288	N.A.	N.A.	N.D.	N.D.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.D.	ug/l
AA-Q-3	349	N.D.	8.4	4.1	5.1	3.6	3.8	N.D.	1.3	N.D.	N.A.	0.36	ug/l
AA-Q-3	339	N.D.	13	8.3	7.18	4.6	5.4	N.D.	1.8	N.D.	N.A.	N.D.	ug/l
AA-Q-3	329	N.D.	2.3	N.D.	N.D.	1.7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-Q-3	319	N.D.	2.5	N.D.	N.D.	1.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-Q-3	309	N.D.	1.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-Q-3	299	N.D.	2.2	N.D.	N.D.	1.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-Q-4	349	N.D.	5.6	N.A.	2	N.D.	2	N.D.	N.D.	N.D.	N.D.	0.38	ug/l
AA-Q-4	339	0.38	45	N.A.	2.51	N.D.	2.1	N.D.	N.D.	N.D.	N.D.	1.6	ug/l
AA-Q-4	329	N.D.	52	N.A.	4.2	N.D.	2.4	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-Q-4	319	0.18	7.7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.18	ug/l
AA-Q-4	309	N.D.	1.3	N.D.	0.49	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-R-1	342	450	4300	25000	0.9	490	N.D.	1900	N.D.	200	2500	1420	ug/l
AA-R-1	332	120	1200	1300	22	198	N.D.	350	N.D.	22	470	168	ug/l
AA-R-1	322	30	1000	4800	123	1240	98	130	N.D.	9.1	150	876	ug/l
AA-R-1	312	240	3600	11000	540	1338	240	11000	N.D.	432	12000	2610	ug/l
AA-R-1	302	200	1700	16000	140	260	N.D.	4500	N.D.	320	8200	590	ug/l
AA-R-1	292	100	2000	10000	55	55	N.D.	1100	N.D.	74	960	182	ug/l
AA-R-1	289	120	2900	15000	N.D.	N.D.	N.D.	230	N.D.	N.D.	310	154	ug/l
AA-S-1	347	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.D.	ug/l
AA-S-1	337	N.D.	4.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-1	327	N.D.	22	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.46	ug/l
AA-S-1	317	N.D.	27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-1	307	N.D.	70	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.D.	ug/l
AA-S-1	297	N.D.	410	N.D.	7.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.D.	ug/l
AA-S-1	287	N.D.	78	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	0.79	ug/l
AA-S-2	346	N.D.	1.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-2	336	N.D.	8.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-2	326	N.D.	24	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-2	316	N.D.	35	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-2	306	N.D.	140	N.D.	4.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-2	296	N.D.	340	N.D.	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-2	295.5	N.D.	290	N.D.	5.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-3	342	N.D.	3.7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l
AA-S-3	332	N.D.	16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l

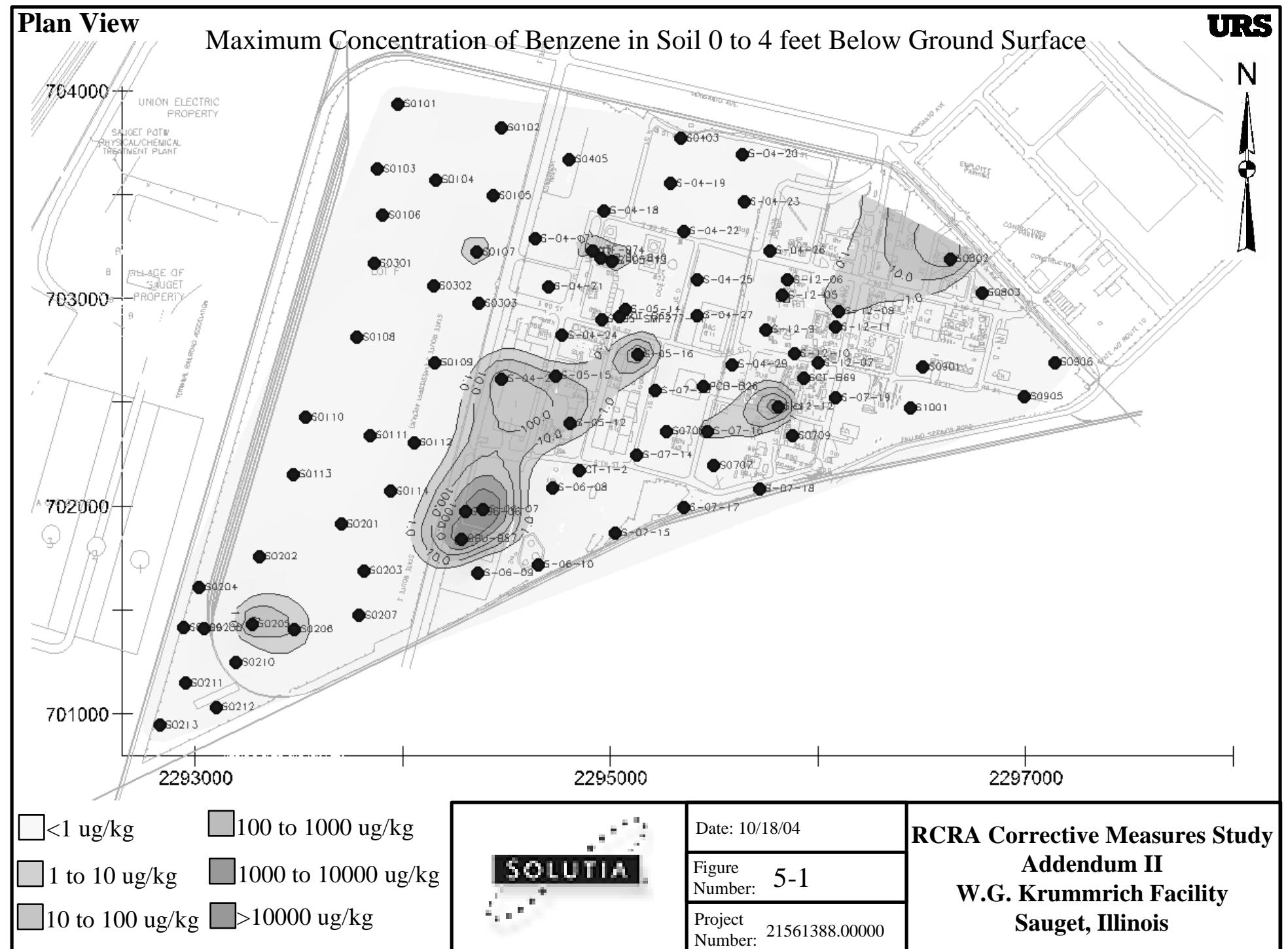
**Table 4-1**  
**Groundwater Analytical Data**

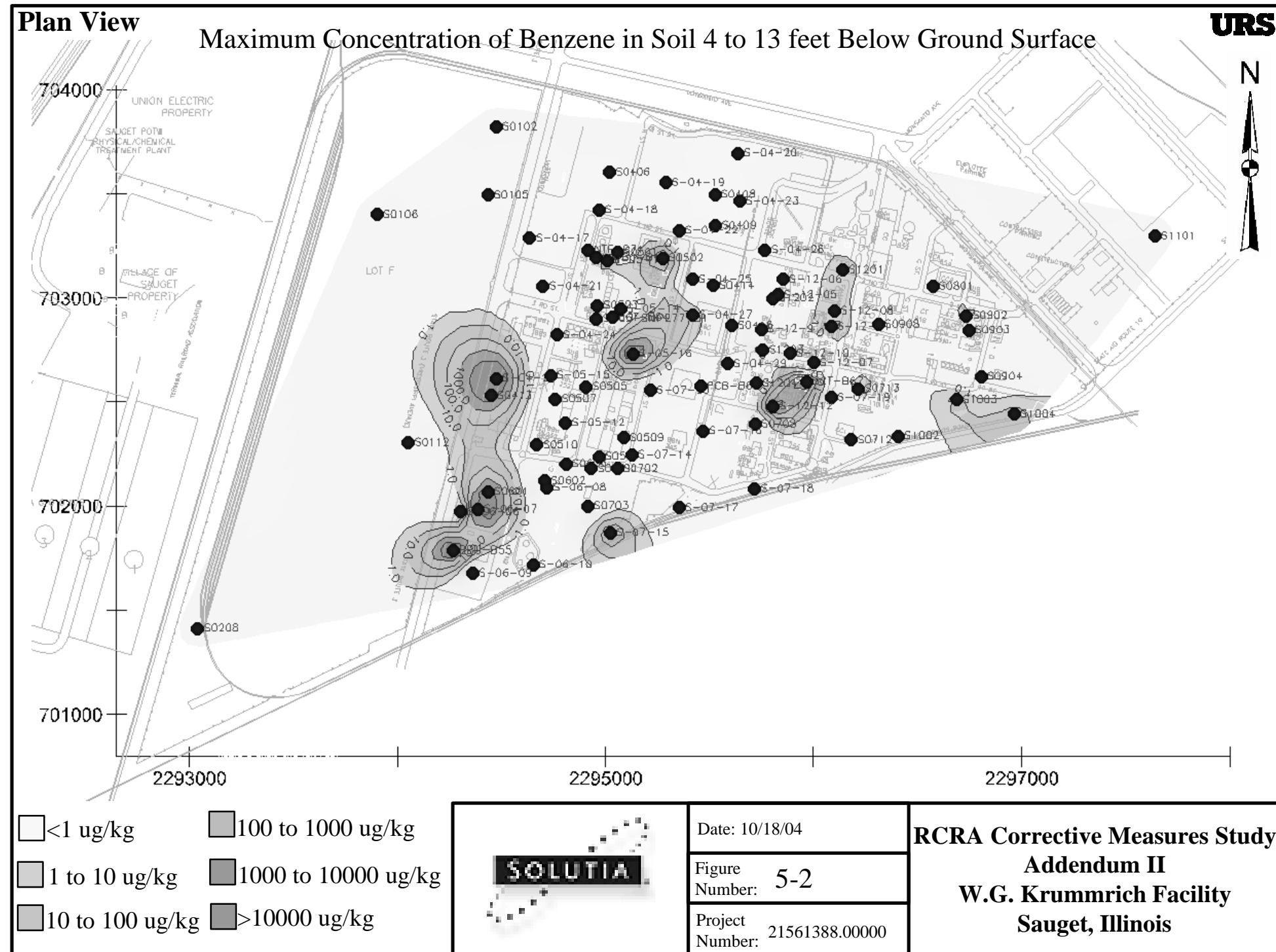
AA-S-3	322	N.D.	51	N.D.	1.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
AA-S-3	312	N.D.	180	N.D.	4.2	1.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
AA-S-3	302	N.D.	530	3.7	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.4	ug/l	
AA-S-3	292	N.D.	460	2.4	7.9	2.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
AA-S-3	284	N.D.	250	1.7	4.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.2	ug/l	
GM-17B	345	N.D.	3300	N.D.	17	145	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
GM-17C	317	N.D.	1500	24	N.D.	264	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
GM-19B	339.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
GM-19C	339.5	16	1400	N.D.	37	480	15	N.D.	N.D.	N.D.	N.D.	16	ug/l	
GM-20B	339.5	N.D.	5200	63	32	1200	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
GM-4B	330	2800	1600	44	10	N.D.	N.D.	64	N.D.	N.D.	N.D.	2800	ug/l	
GM-4C	312	19000	9600	46	22	N.D.	N.D.	170	N.D.	N.D.	N.D.	19000	ug/l	
GM-6B	338	N.D.	18000	N.D.	62	217	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
MW-7B	339	N.D.	6300	120	60	1030	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
MW-7C	315.05	N.D.	10000	130	41	1005	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
TRA1-GPA	334	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.D.	ug/l	
TRA1-GPB	340	7800	N.D.	N.D.	N.D.	N.D.	N.D.	26	N.D.	N.D.	N.D.	8950	ug/l	
TRA1-GPC	340	29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	569	ug/l	
TRA2-GPA	340	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
TRA2-GPB	340	18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	18	ug/l	
TRA2-GPC	341	3200	1200	91	10	N.D.	N.D.	110	N.D.	N.D.	N.D.	3200	ug/l	
TRA2-GPD	339	1300	1200	31	N.D.	831	N.D.	11	N.D.	N.D.	33	N.D.	2279	ug/l
TRA2-GPE	340	N.D.	7.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
TRA2-GPG	340	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
<b>Deep Hydrostatic Unit (DHU)</b>														
TRA4-GPA	340	N.D.	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
TRA4-GPA	301	N.D.	850	N.D.	N.D.	40	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
TRA4-GPB	340	N.D.	400	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
TRA4-GPB	297	N.D.	8300	22	24	53	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
TRA4-GPC	340	160000	57000	140	22	33	N.D.	200	N.D.	N.D.	N.D.	160000	ug/l	
TRA4-GPC	294	120	3200	N.D.	34	302	N.D.	N.D.	N.D.	N.D.	N.D.	120	ug/l	
TRA4-GPD	340	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
TRA4-GPD	299	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
TRA4-GPE	340	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
TRA4-GPE	305	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
TRA6-GPC	340	1300	9300	37000	N.D.	140	N.D.	N.D.	N.D.	N.D.	N.D.	1453	ug/l	
TRA6-GPC	304	9.6	410	180	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	9.6	ug/l	
TRA6-GPD	340	N.D.	25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
TRA6-GPD	310	N.D.	6.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
UA1-1/OS-1	347	N.D.	2	N.D.	0.05	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
UA1-1/OS-1	337	N.D.	2.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
UA1-1/OS-1	327	N.D.	280	N.D.	3.3	1.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
UA1-1/OS-1	317	0.23	450	N.D.	5.4	11.2	N.D.	N.D.	N.D.	N.D.	N.A.	0.23	ug/l	
UA1-1/OS-1	307	2.5	400	N.D.	1.7	21.8	N.D.	N.D.	N.D.	N.D.	N.A.	3.12	ug/l	
UA1-1/OS-1	297	3.4	710	N.D.	6.4	42.3	N.D.	N.D.	N.D.	N.D.	N.A.	3.78	ug/l	
UA1-2/OS-2	342	24	81	3.7	1.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	24	ug/l	
UA1-2/OS-2	332	55	62	6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	55	ug/l	
UA1-2/OS-2	322	13	1800	8.6	32.7	263.3	8.7	N.D.	N.D.	N.D.	N.D.	13	ug/l	
UA1-2/OS-2	312	20	2600	3.1	26	379.8	8	N.D.	N.D.	N.D.	N.D.	20	ug/l	
UA1-2/OS-2	302	17	2500	9.7	48	1265	16	N.D.	N.D.	N.D.	N.D.	17	ug/l	
UA1-2/OS-2	292	N.D.	760	2.8	21.6	900	12	N.D.	N.D.	N.D.	N.D.	N.D.	ug/l	
UA1-2/OS-2	288	24	2000	2.4	28.3	449.4	8.3	N.D.	N.D.	N.D.	N.D.	24	ug/l	
UA1-3/OS-3	341	0.14	31	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	0.14	ug/l	
UA1-3/OS-3	331	7.4	150	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	7.7	ug/l	
UA1-3/OS-3	321	63	1300	470	16.2	175	2.2	N.D.	N.D.	N.D.	N.A.	63	ug/l	
UA1-3/OS-3	311	55	2100	800	18.9	1037	9.4	N.D.	N.D.	N.D.	N.A.	55	ug/l	
UA1-3/OS-3	301	24	2100	2100	73.8	2253	52	N.D.	N.D.	7.8	N.D.	24	ug/l	
UA1-3/OS-3	291	4.3	570	N.D.	77	1841	59	N.D.	N.D.	1	N.D.	4.3	ug/l	
UA1-3/OS-3	289	1.8	360	9.8	64.2	1529	53	N.D.	N.D.	1.5	N.D.	1.8	ug/l	

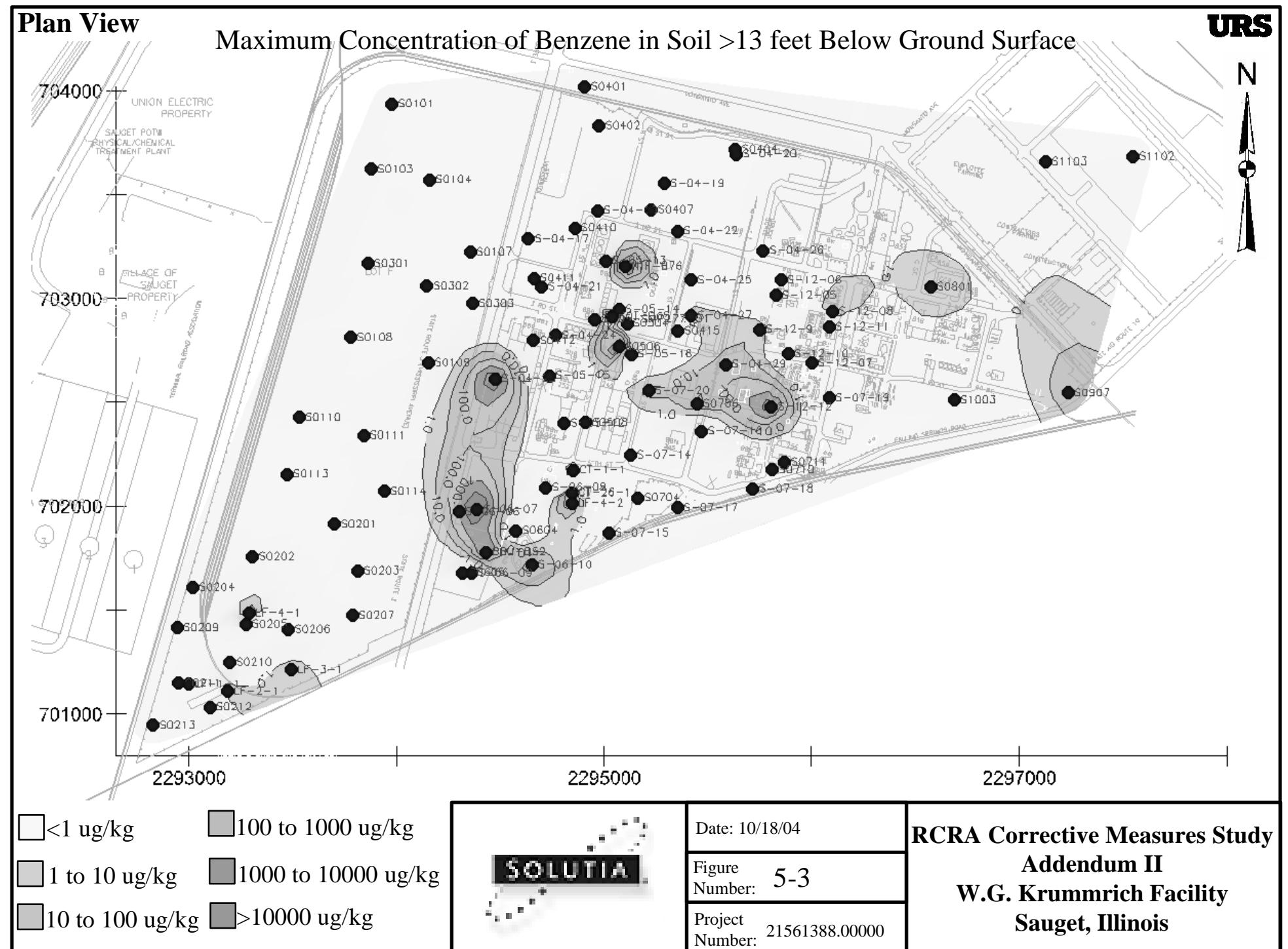
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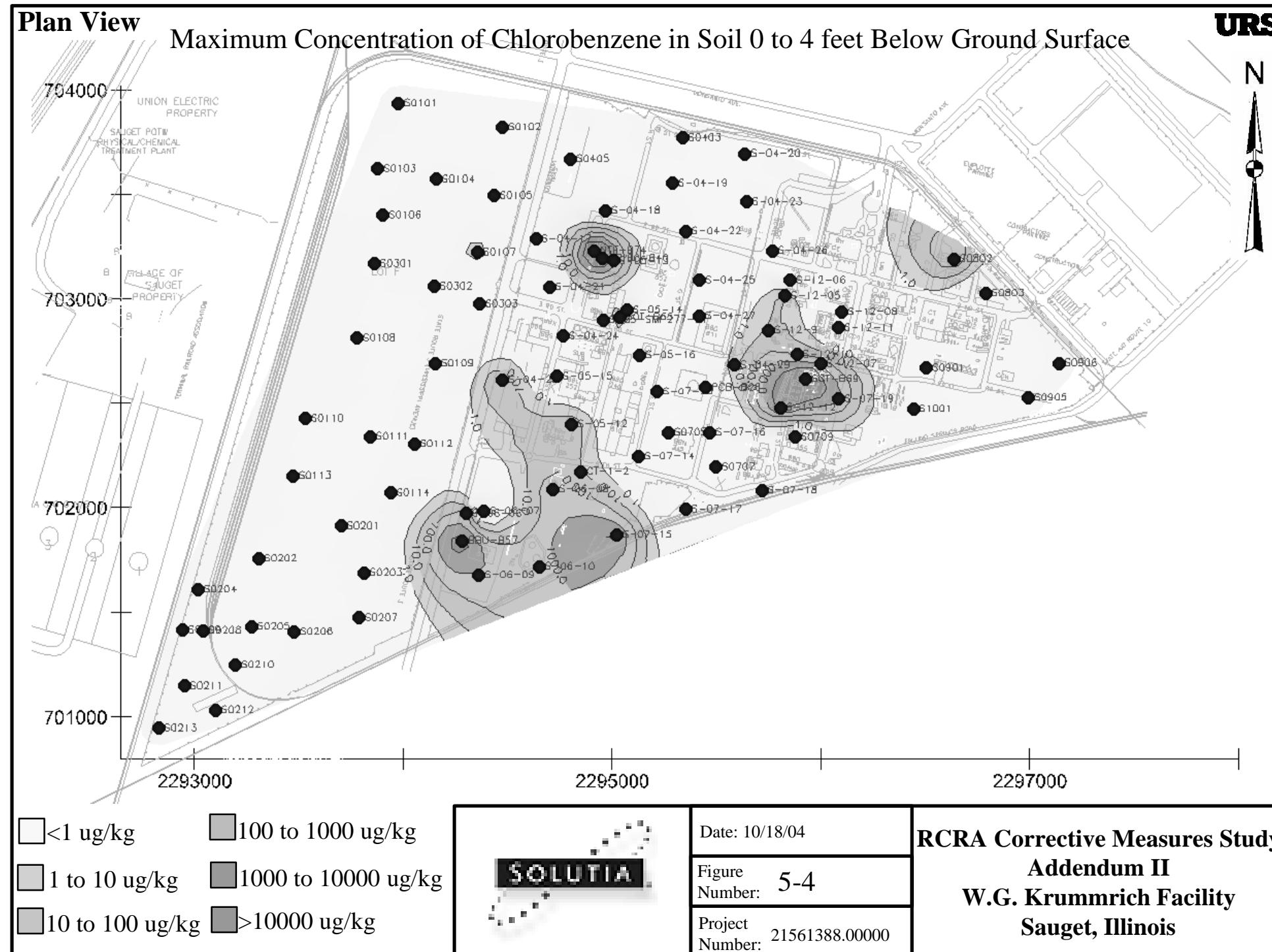
1.) N.D. Means the sample was non-detect for the analyte.

2.) N.A. Means the sample was not analyzed for the analyte.



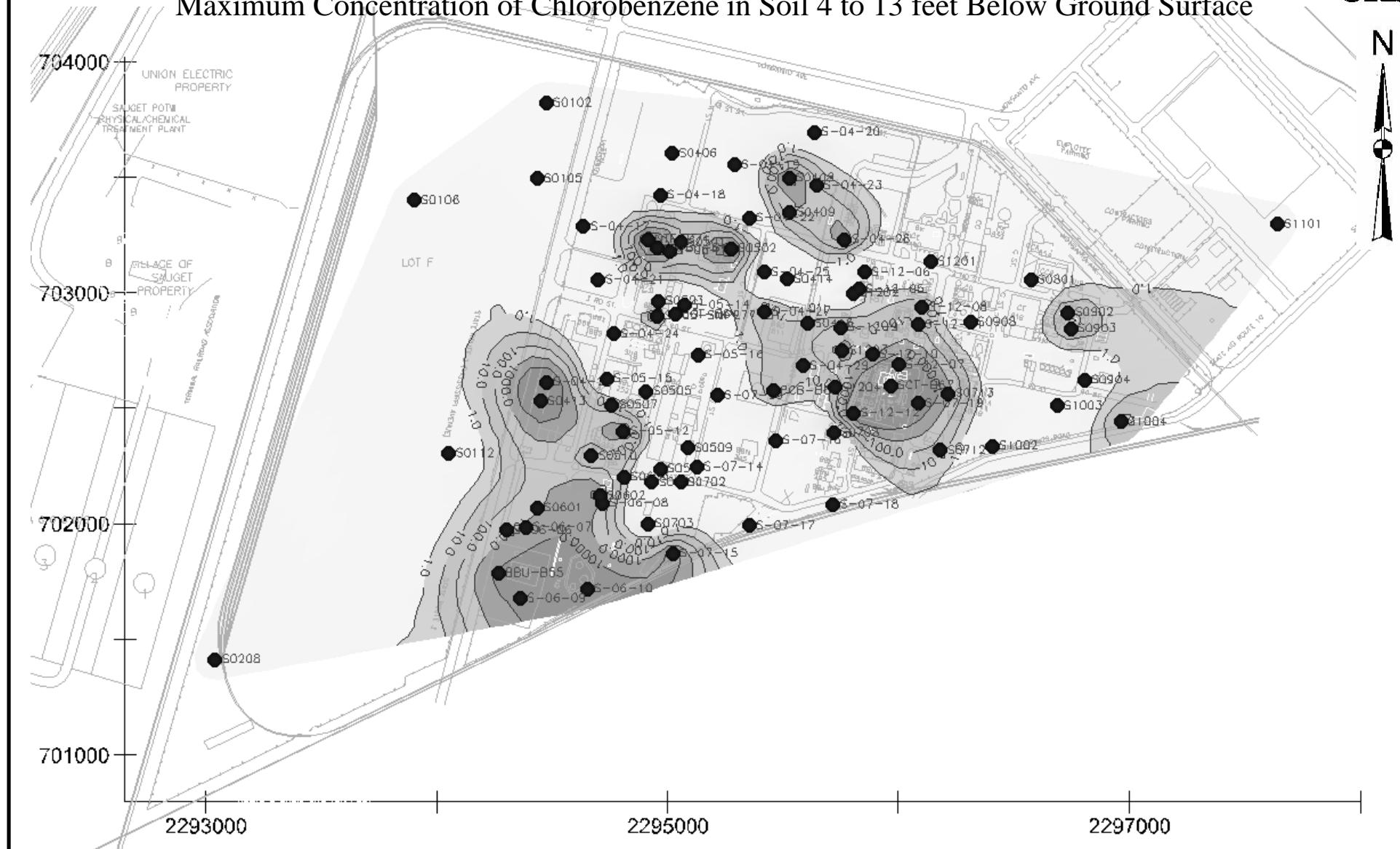






**URS**

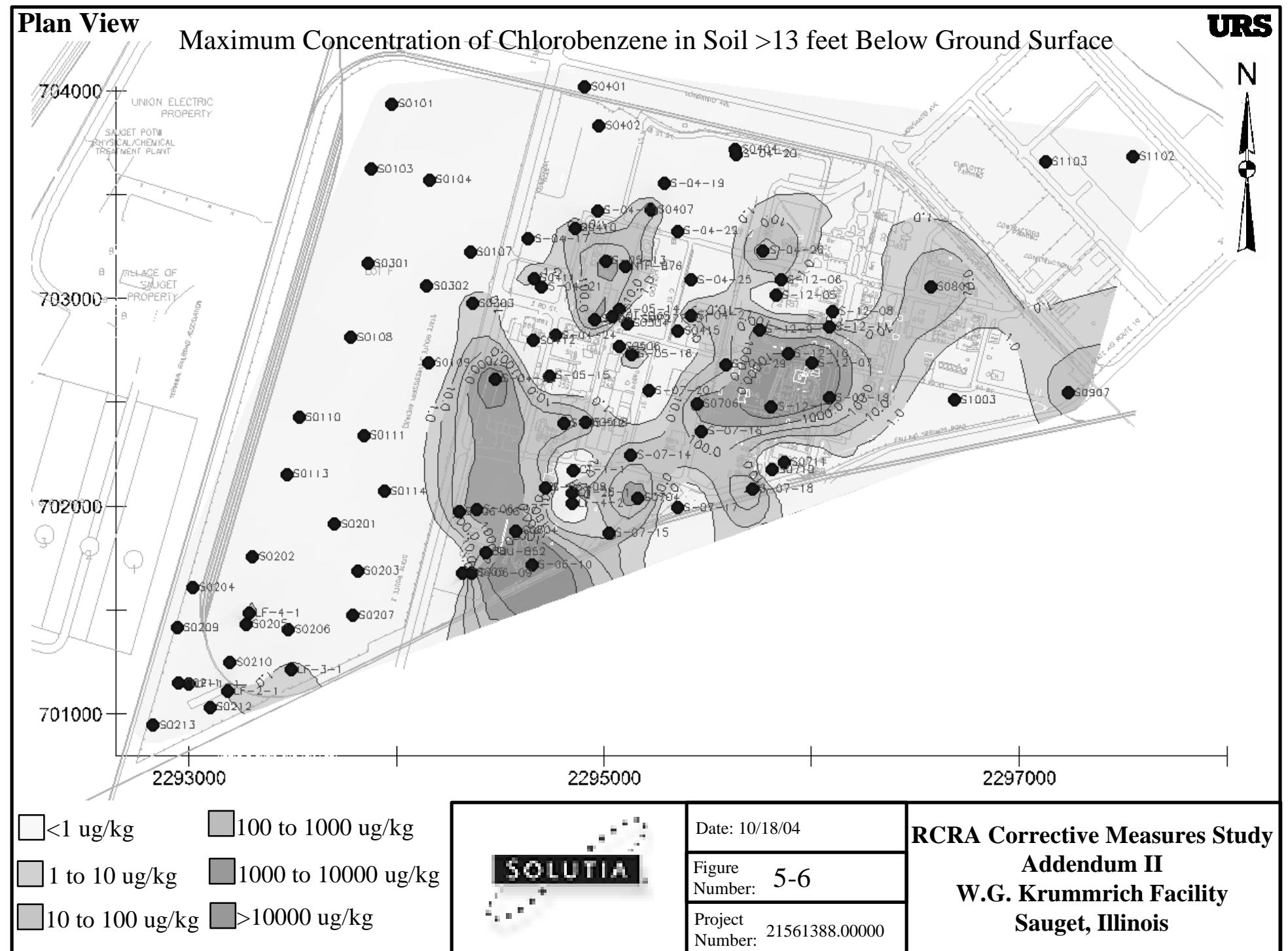
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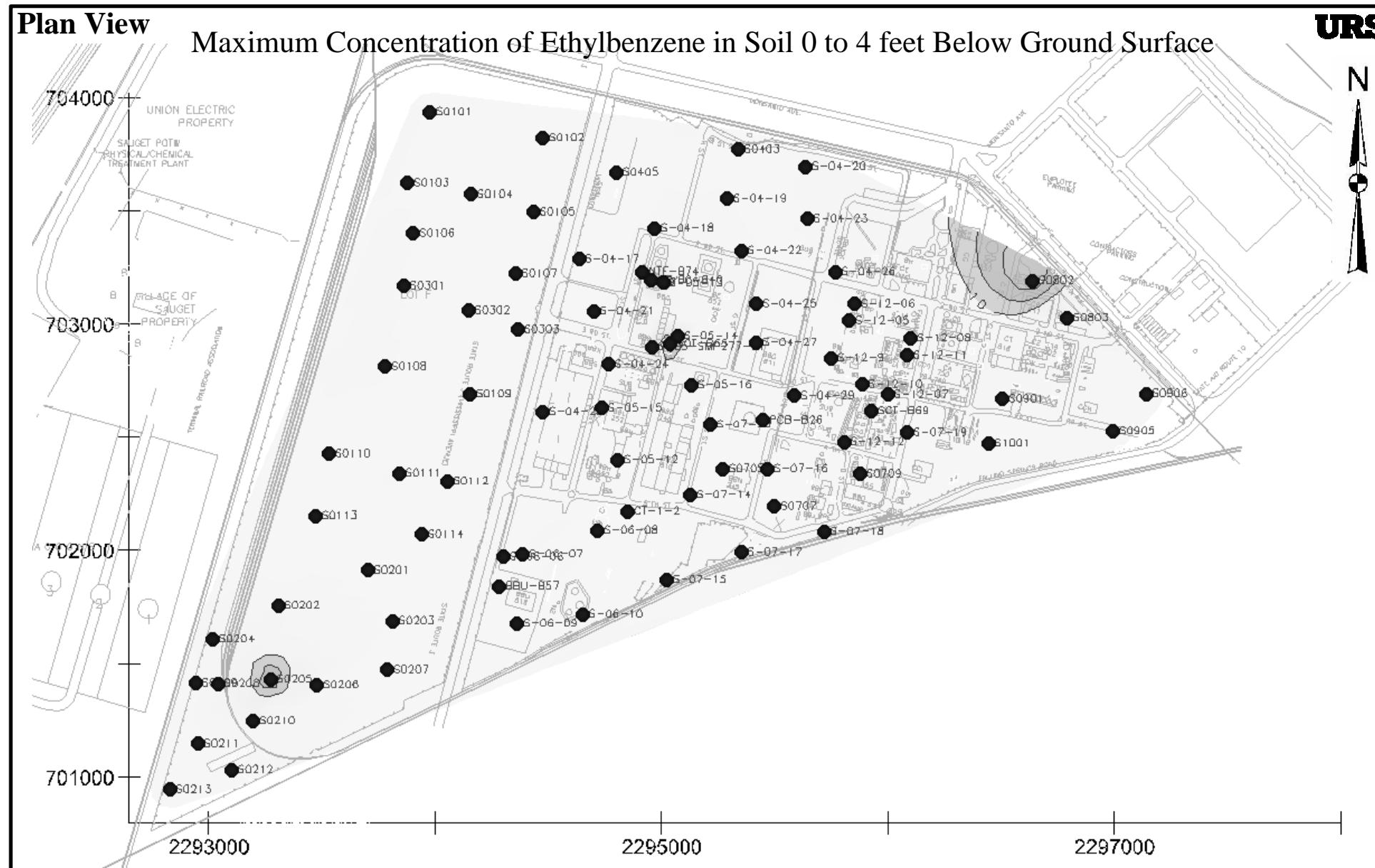
**Plan View****Maximum Concentration of Chlorobenzene in Soil 4 to 13 feet Below Ground Surface** <1 ug/kg 100 to 1000 ug/kg 1 to 10 ug/kg 1000 to 10000 ug/kg 10 to 100 ug/kg >10000 ug/kg

Date: 10/18/04

Figure  
Number: 5-5Project  
Number: 21561388.00000

**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**

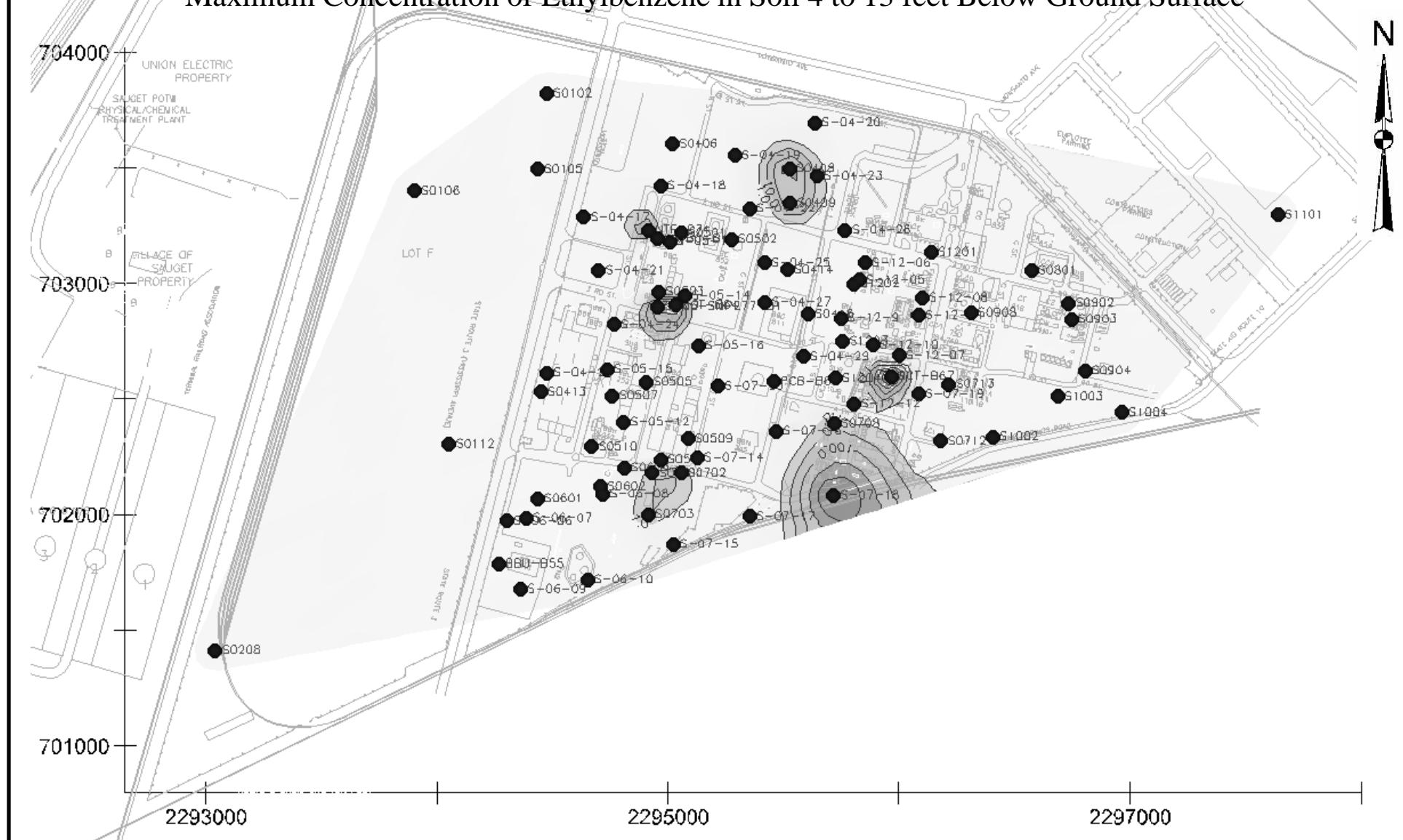


**Plan View****Maximum Concentration of Ethylbenzene in Soil 0 to 4 feet Below Ground Surface****URS** <1 ug/kg 100 to 1000 ug/kg 1 to 10 ug/kg 1000 to 10000 ug/kg 10 to 100 ug/kg >10000 ug/kg

Date: 10/18/04

Figure  
Number: 5-7Project  
Number: 21561388.00000

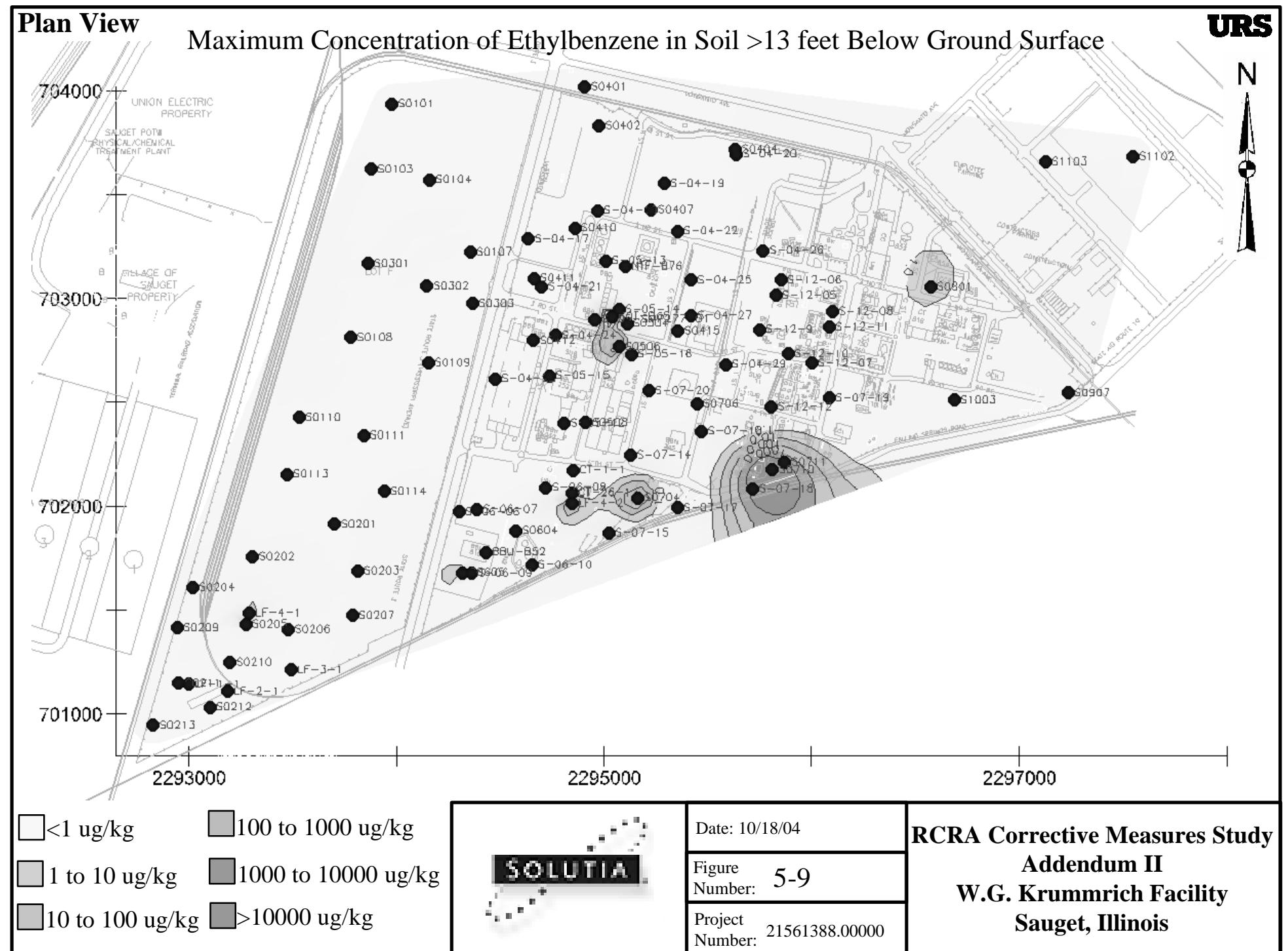
**RCRA Corrective Measures Study  
Addendum II  
W.G. Krummrich Facility  
Sauget, Illinois**

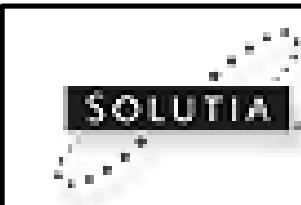
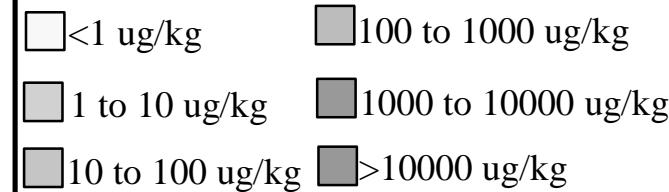
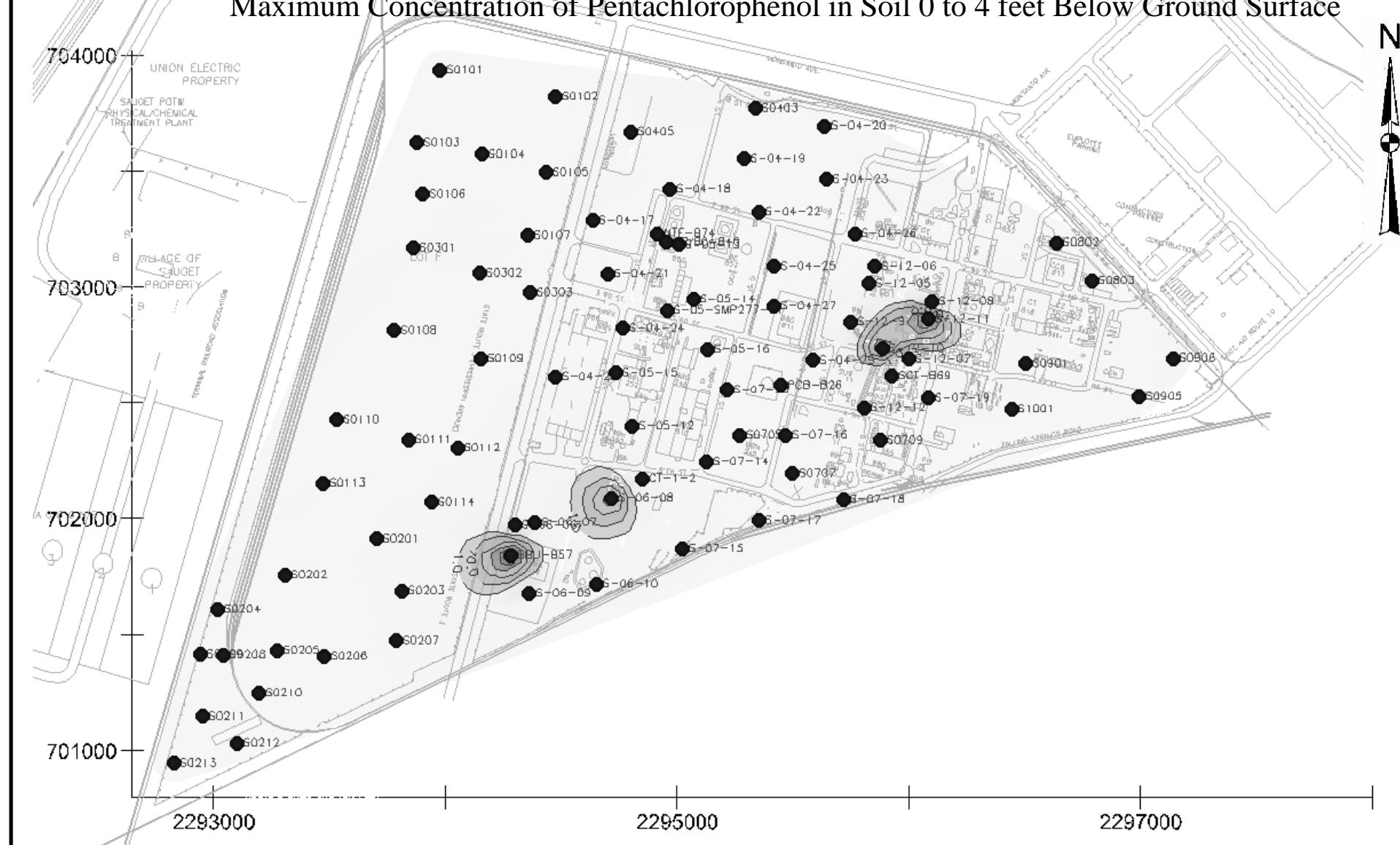
**URS****Plan View****Maximum Concentration of Ethylbenzene in Soil 4 to 13 feet Below Ground Surface** <1 ug/kg 100 to 1000 ug/kg 1 to 10 ug/kg 1000 to 10000 ug/kg 10 to 100 ug/kg >10000 ug/kg

Date: 10/18/04

Figure  
Number: 5-8Project  
Number: 21561388.00000

**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**



**Plan View****Maximum Concentration of Pentachlorophenol in Soil 0 to 4 feet Below Ground Surface****URS**

Date: 10/18/04

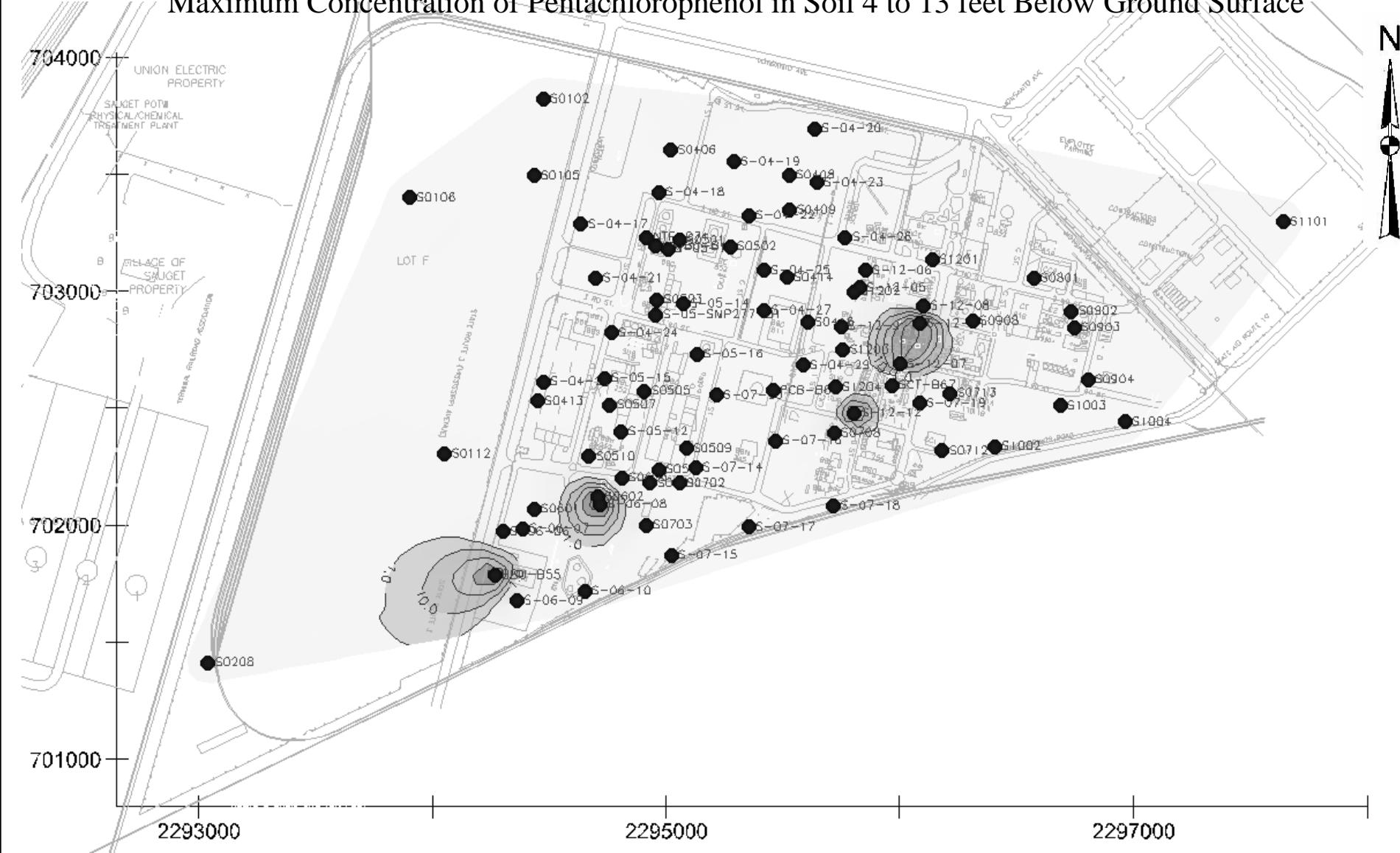
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Number: 5-10Project  
Number: 21561388.00000

**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**

## Plan View

## Maximum Concentration of Pentachlorophenol in Soil 4 to 13 feet Below Ground Surface

**URS**



<1 ug/kg

 1 to 10  $\mu\text{g}/\text{kg}$

10 to 100  $\mu\text{g}/\text{m}^3$

$\square$  10 to 100  $\mu\text{g}/\text{mg}$   $\square$

100 to 1000 ug/kg

 1000 to 10000 ug/

g  >10000 µg/kg

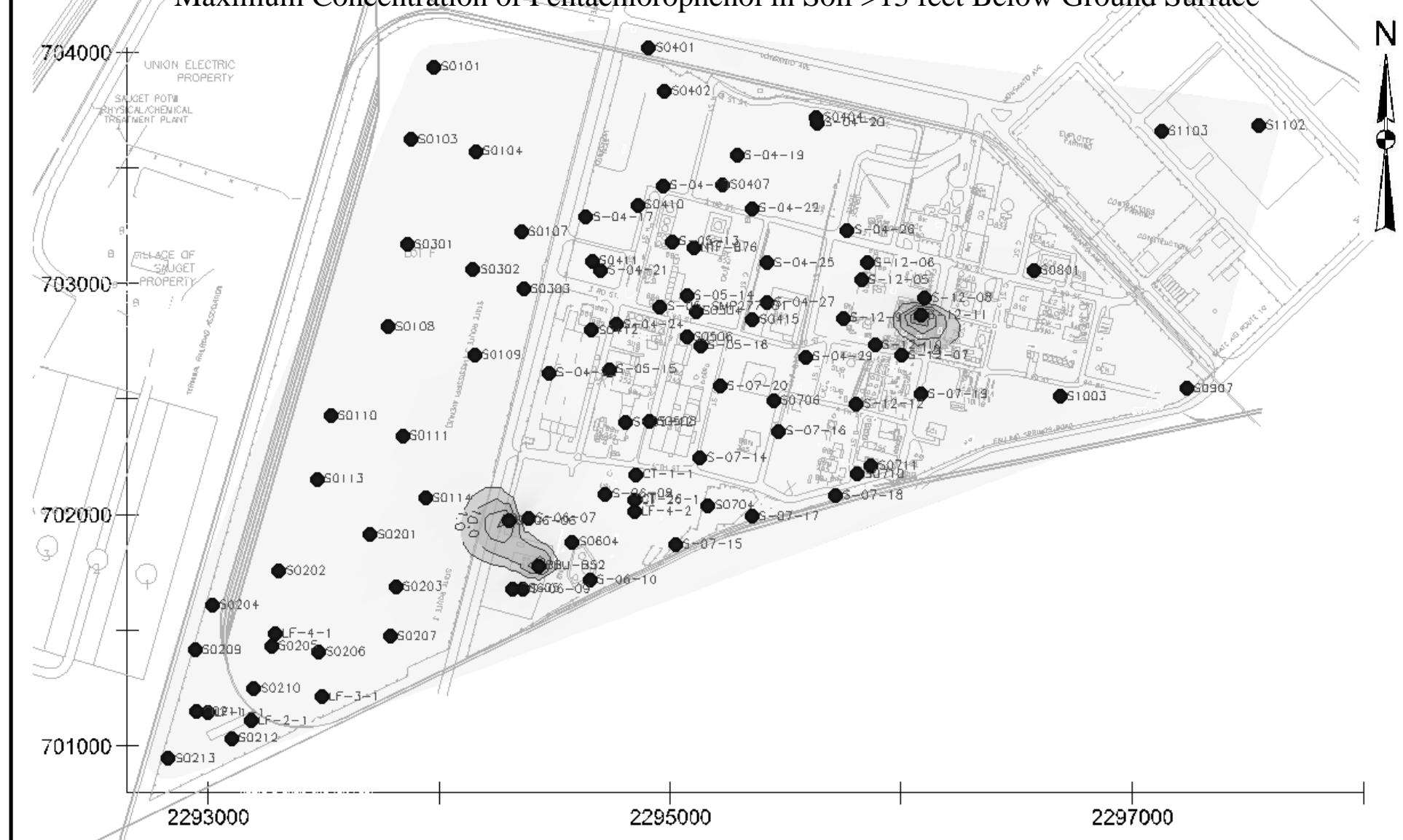
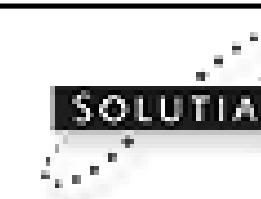
SOLUTIA

Date: 10/18/04

Figure  
Number: 5-11

Project  
Number: 21561388.00000

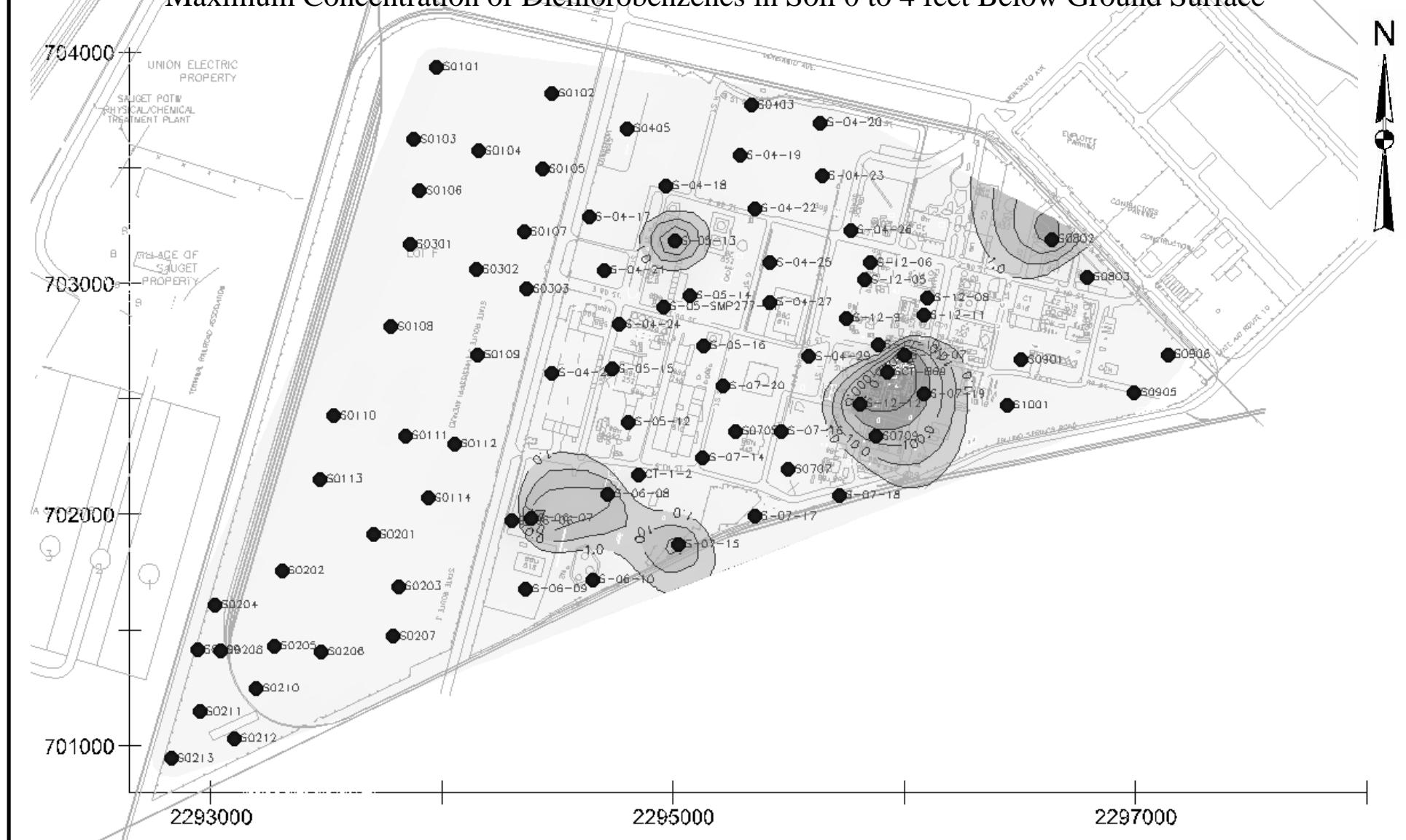
**RCRA Corrective Measures Study  
Addendum II  
W.G. Krummrich Facility  
Sauget, Illinois**

**URS****Plan View****Maximum Concentration of Pentachlorophenol in Soil >13 feet Below Ground Surface** <1 ug/kg 100 to 1000 ug/kg 1 to 10 ug/kg 1000 to 10000 ug/kg 10 to 100 ug/kg >10000 ug/kg

Date: 10/18/04

Figure  
Number: 5-12Project  
Number: 21561388.00000

**RCRA Corrective Measures Study  
Addendum II  
W.G. Krummrich Facility  
Sauget, Illinois**

**URS****Plan View****Maximum Concentration of Dichlorobenzenes in Soil 0 to 4 feet Below Ground Surface** <1 ug/kg 100 to 1000 ug/kg 1 to 10 ug/kg 1000 to 10000 ug/kg 10 to 100 ug/kg >10000 ug/kg

Date: 10/18/04

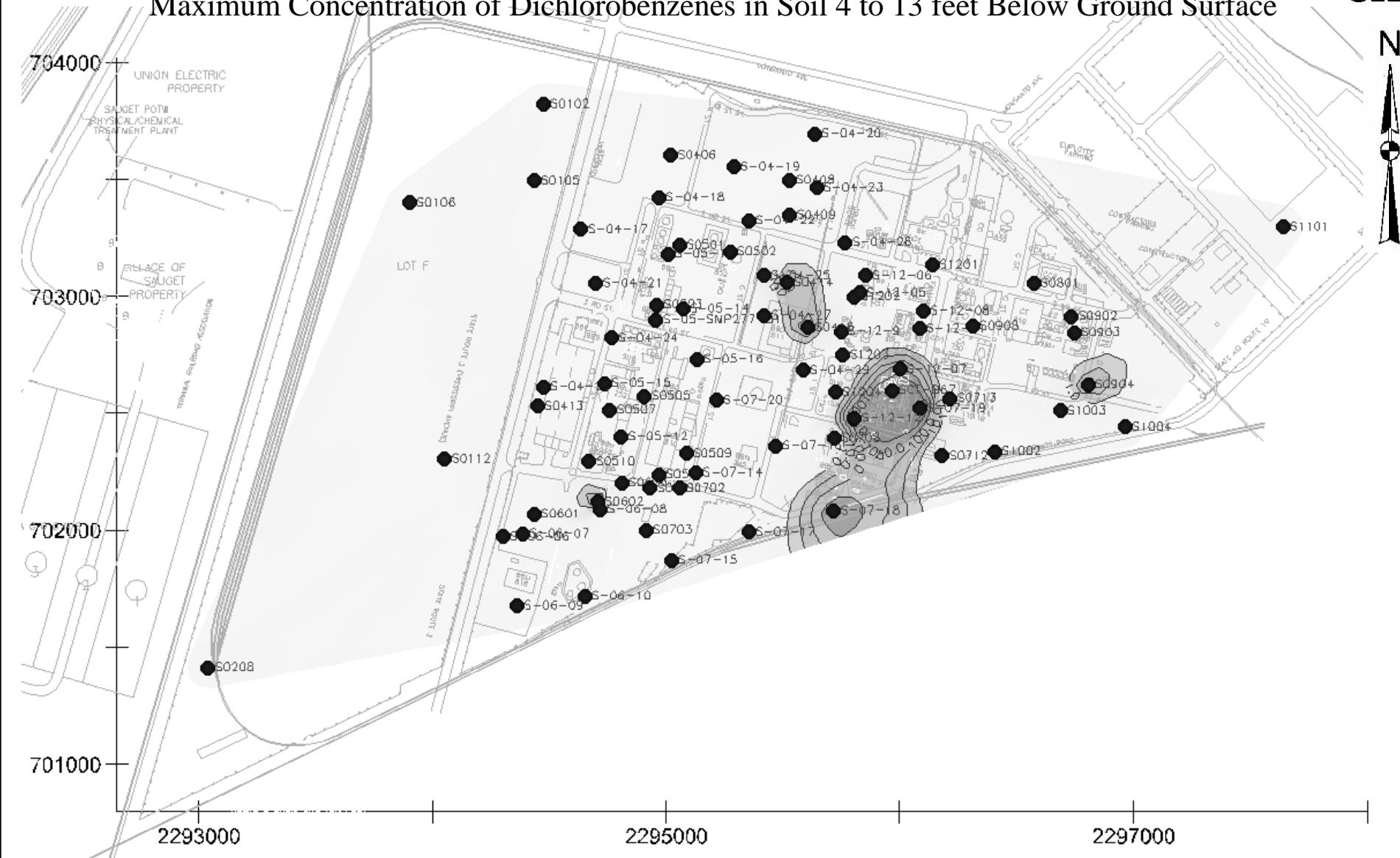
Figure  
Number: 5-13Project  
Number: 21561388.00000

**RCRA Corrective Measures Study  
Addendum II  
W.G. Krummrich Facility  
Sauget, Illinois**

## Plan View

## Maximum Concentration of Dichlorobenzenes in Soil 4 to 13 feet Below Ground Surface

**URS**



<1 ug/kg

 1 to 10  $\mu\text{g}/\text{kg}$

10 to 100 µg/

100 to 1000 ug/kg

1000 to 10000 ug/

$\sigma$   >10000  $\mu\text{g}/\text{kg}$

SOLUTIA

Date: 10/18/04

Figure Number: 5-14

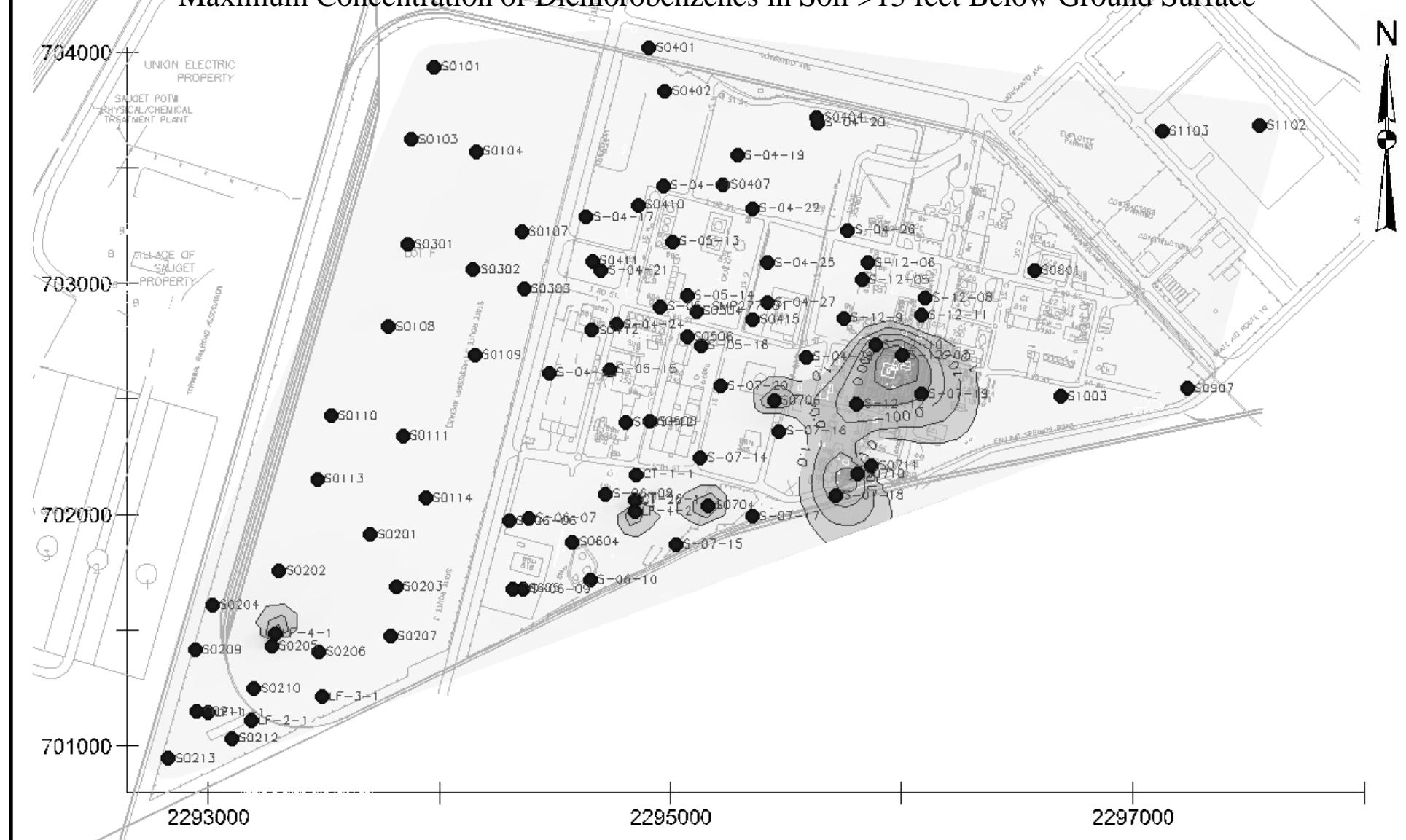
Project  
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## RCRA Corrective Measures Study

Addendum II

W.G. Krummrich Facility

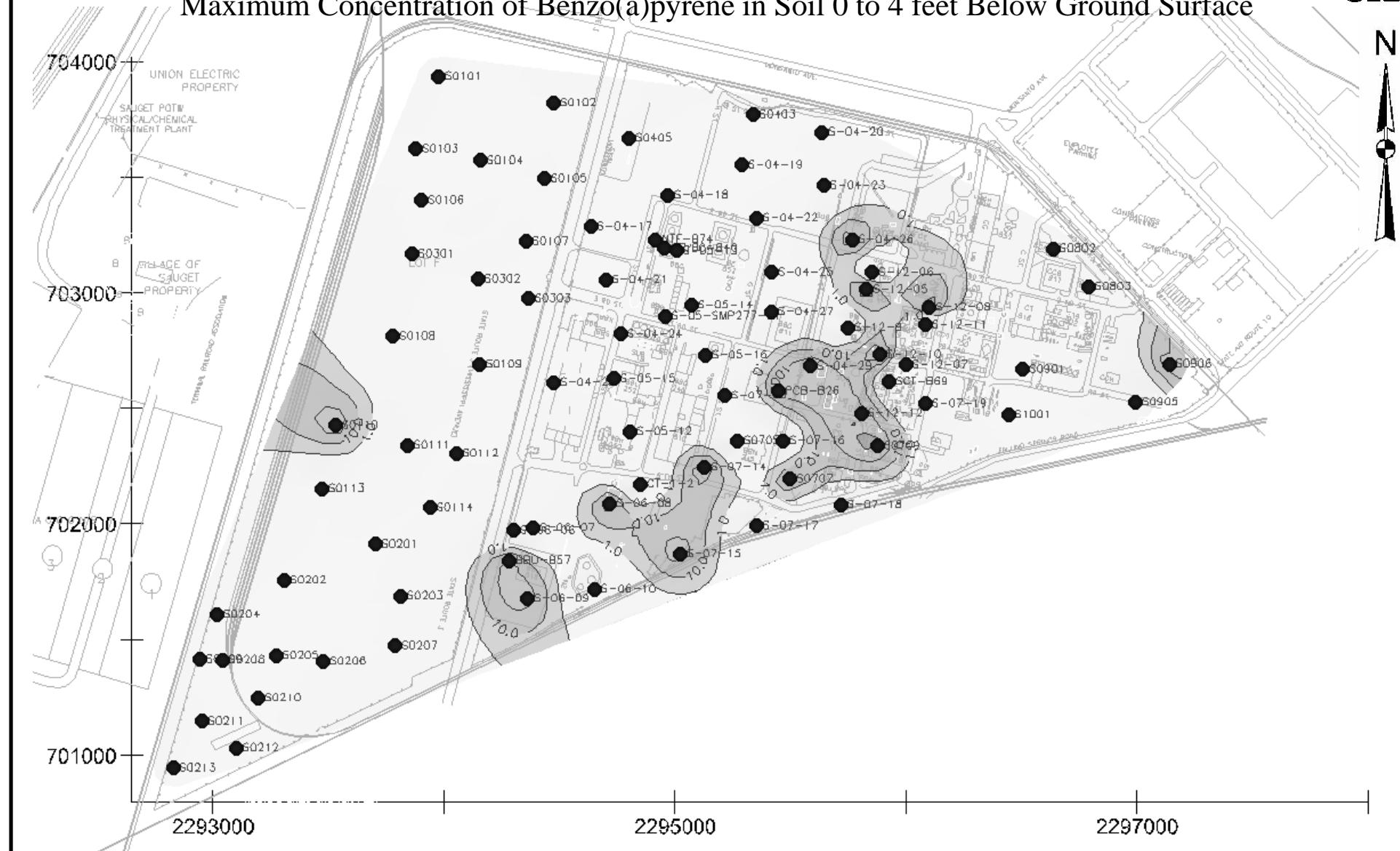
**Sauget, Illinois**

**URS****Plan View****Maximum Concentration of Dichlorobenzenes in Soil >13 feet Below Ground Surface**

Date: 10/18/04

Figure  
Number: 5-15Project  
Number: 21561388.00000

**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**

**URS****Plan View****Maximum Concentration of Benzo(a)pyrene in Soil 0 to 4 feet Below Ground Surface** <1 ug/kg 100 to 1000 ug/kg 1 to 10 ug/kg 1000 to 10000 ug/kg 10 to 100 ug/kg >10000 ug/kg

Date: 10/18/04

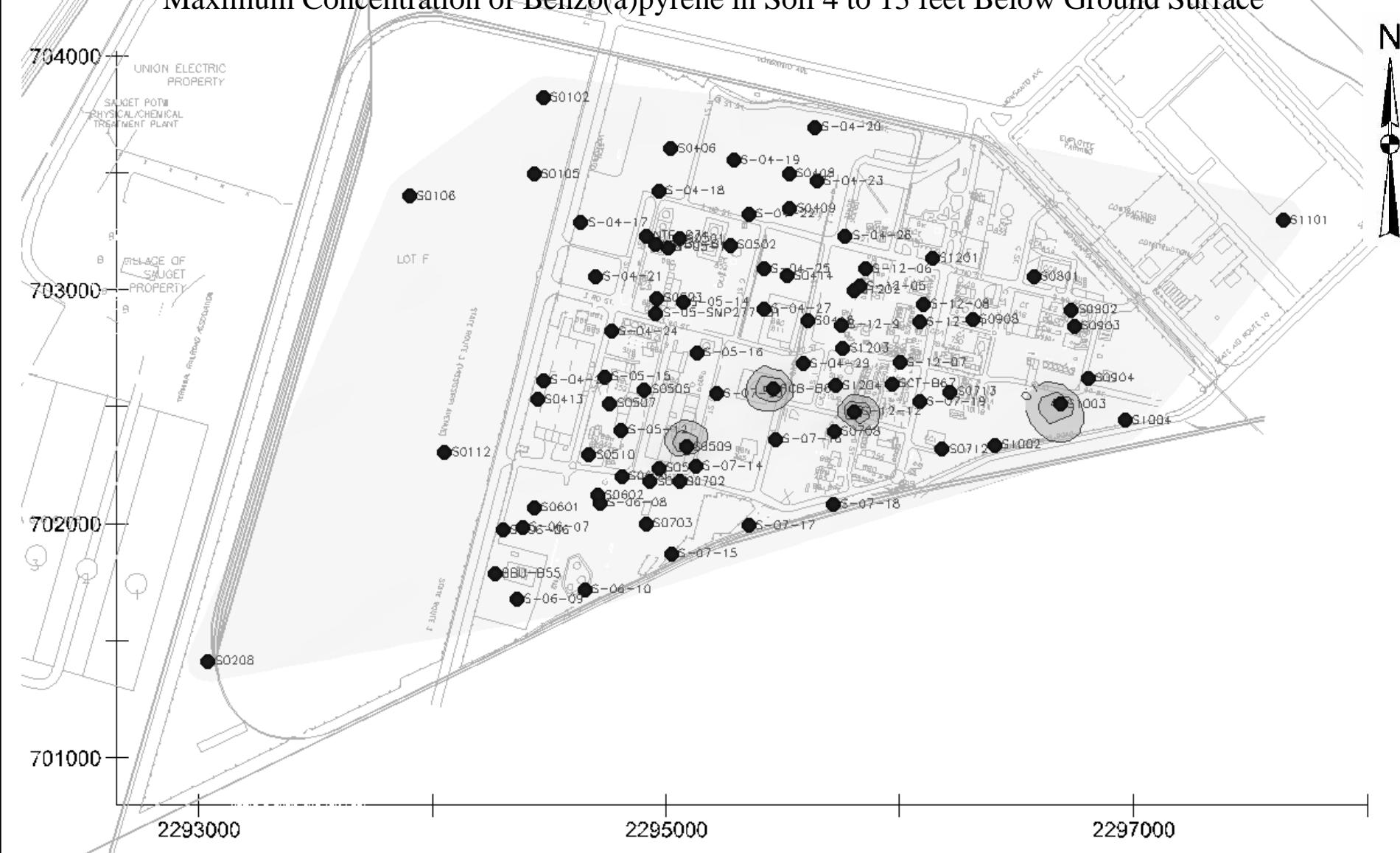
Figure  
Number: 5-16Project  
Number: 21561388.00000

**RCRA Corrective Measures Study  
Addendum II  
W.G. Krummrich Facility  
Sauget, Illinois**

## Plan View

## Maximum Concentration of Benzo(a)pyrene in Soil 4 to 13 feet Below Ground Surface

**URS**



<1 ug/kg

 1 to 10  $\mu\text{g}/\text{kg}$

10 to 100 µg/

— *s s* — *s s* —

100 to 1000 ug/kg

1000 to 10000 ug/

g  >10000 µg/kg

SOLUTIA

Date: 10/18/04

Figure Number: 5-17

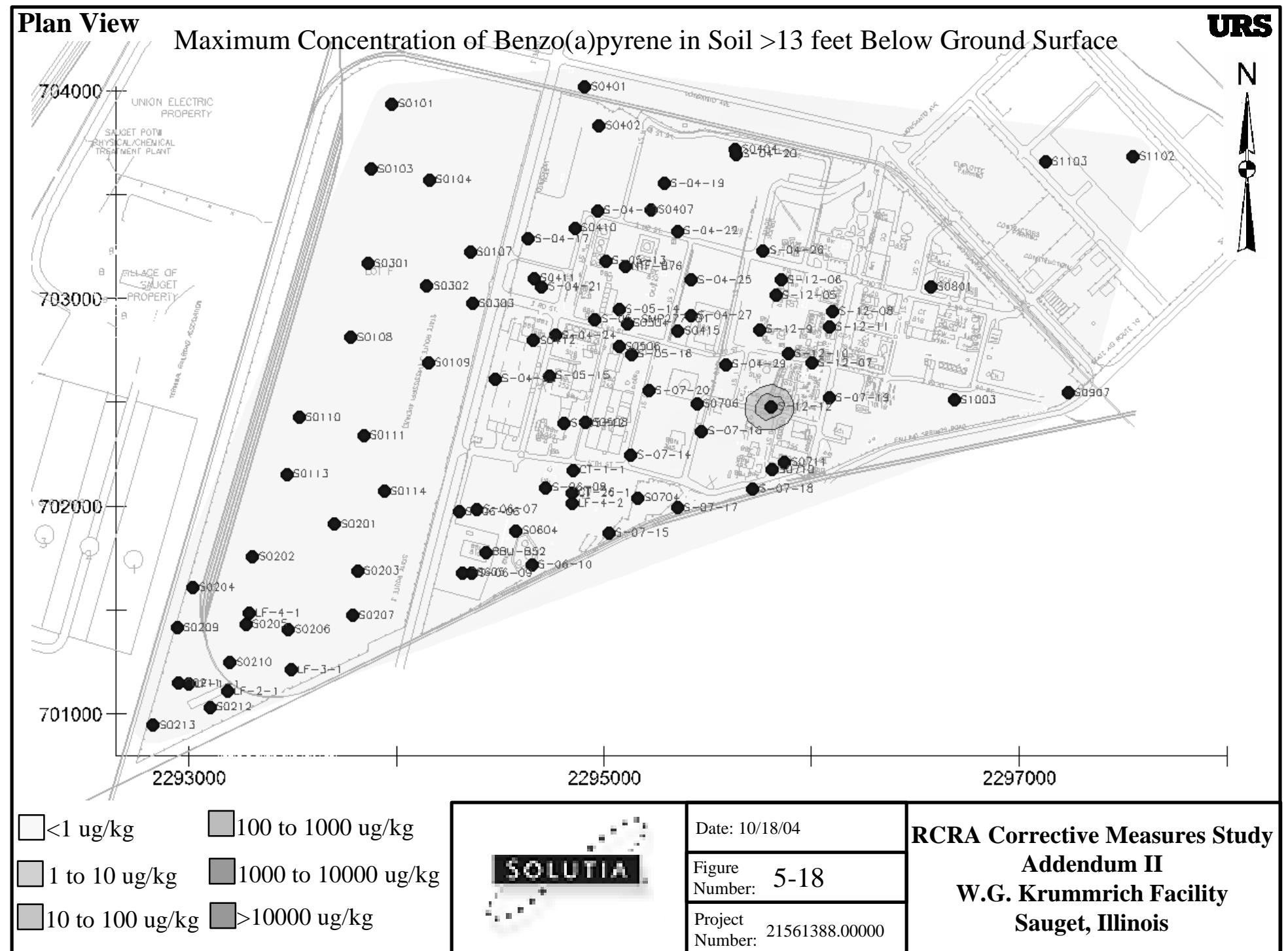
Project  
Number: 21561388.00000

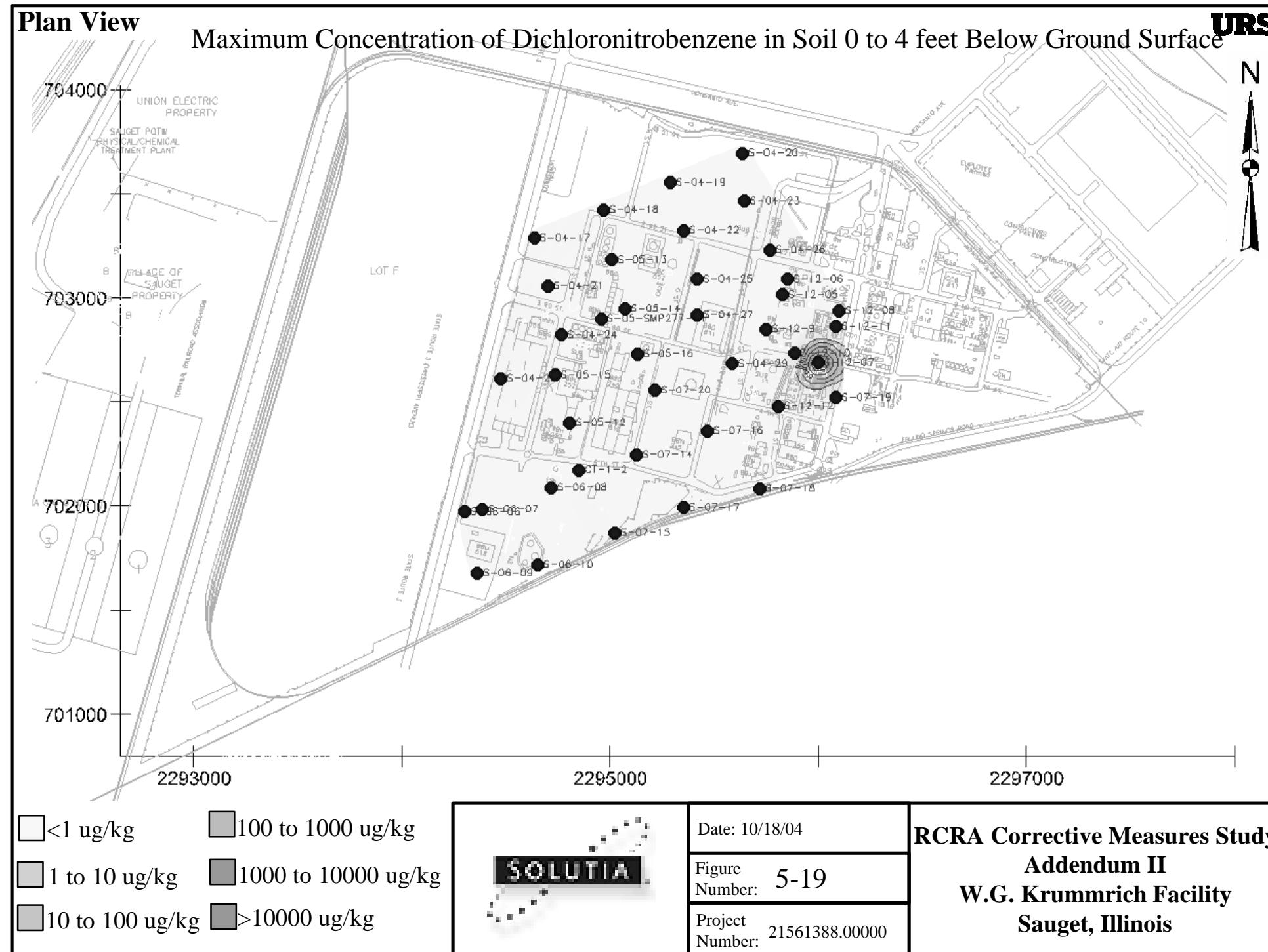
## **RCRA Corrective Measures Study**

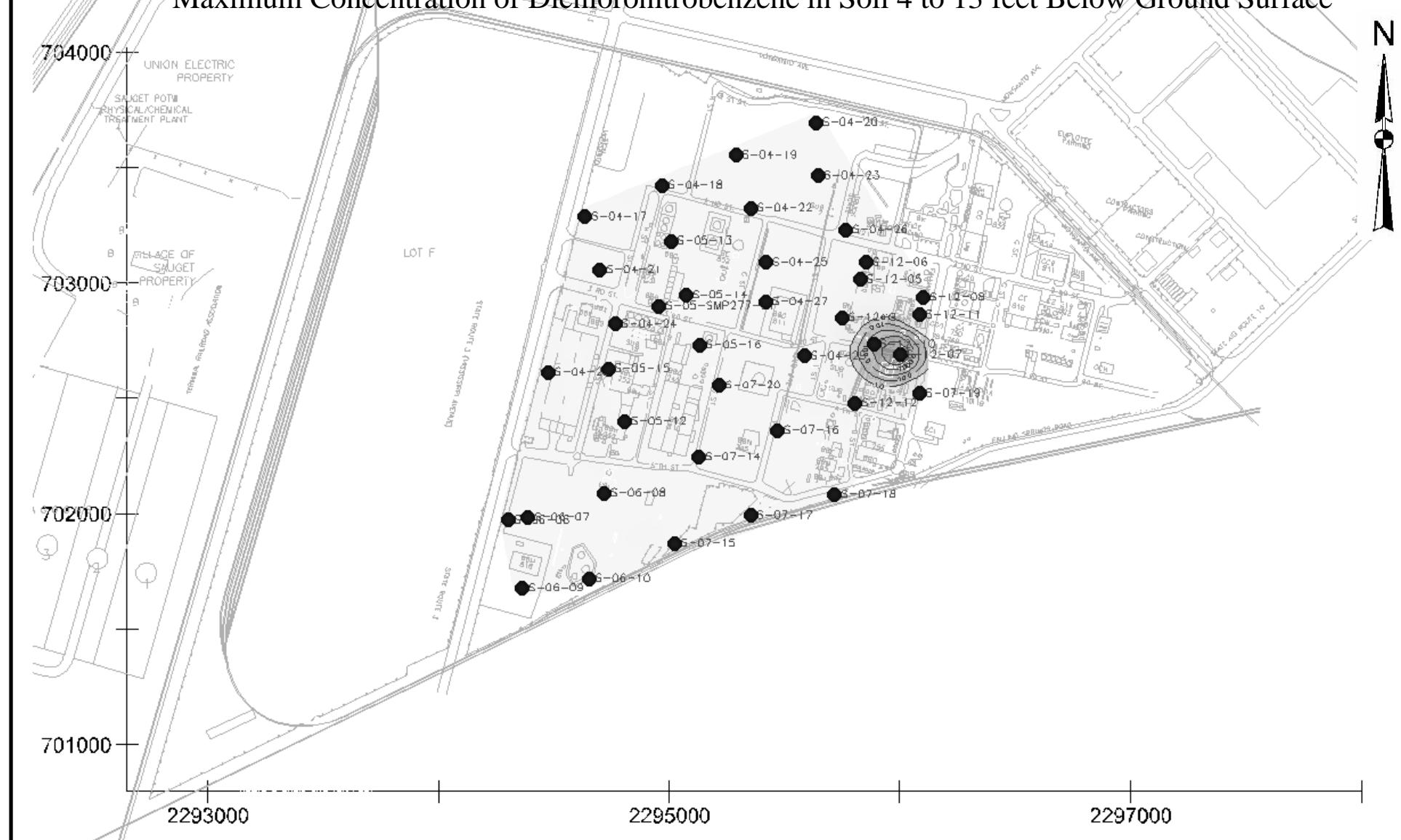
Addendum II

**W.G. Krummrich Facility**

## **Sauget, Illinois**



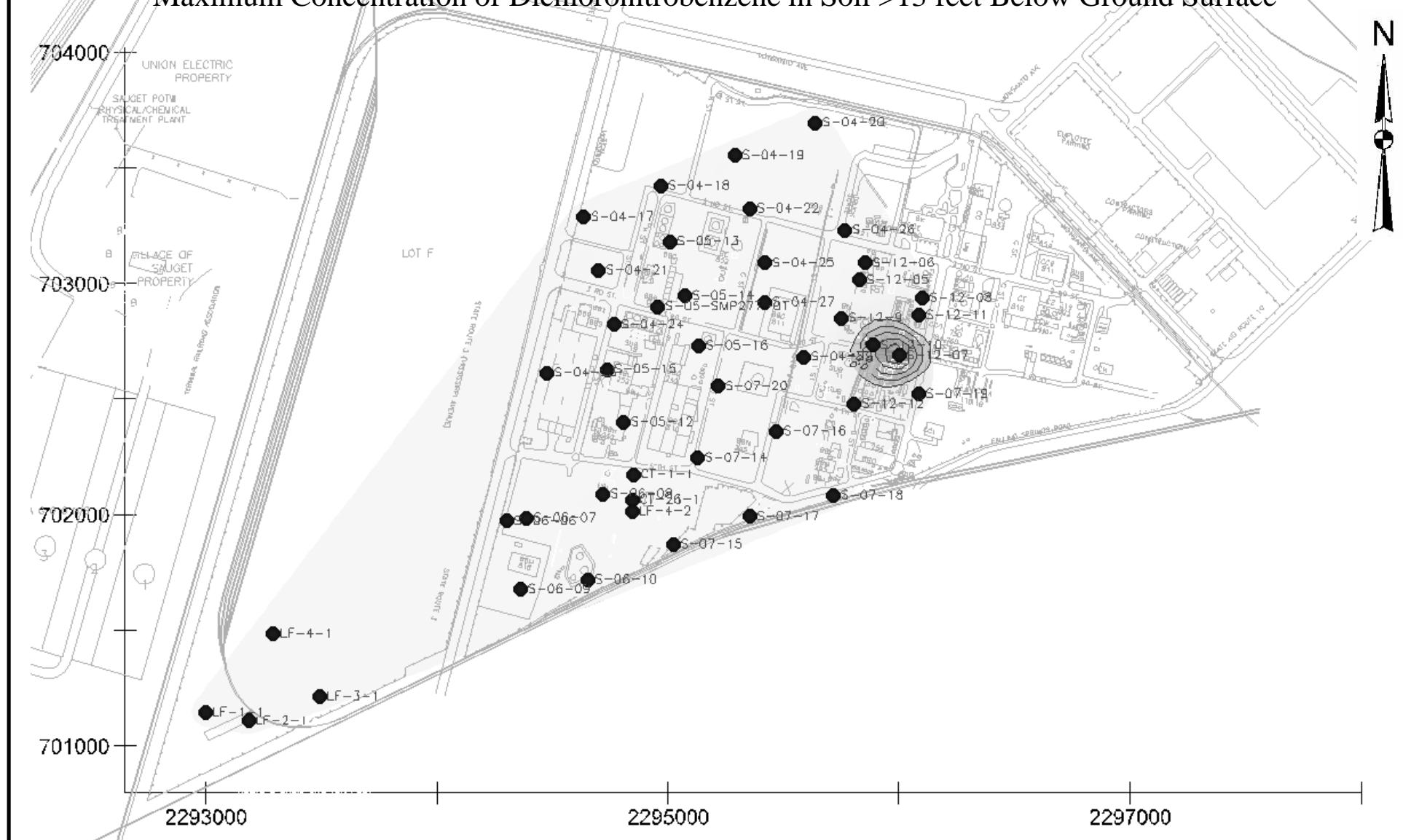


**URS****Plan View****Maximum Concentration of Dichloronitrobenzene in Soil 4 to 13 feet Below Ground Surface** <1 ug/kg 100 to 1000 ug/kg 1 to 10 ug/kg 1000 to 10000 ug/kg 10 to 100 ug/kg >10000 ug/kg

Date: 10/18/04

Figure  
Number: 5-20Project  
Number: 21561388.00000

**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**

**URS****Plan View****Maximum Concentration of Dichloronitrobenzene in Soil >13 feet Below Ground Surface**

&lt;1 ug/kg

100 to 1000 ug/kg

1 to 10 ug/kg

1000 to 10000 ug/kg

10 to 100 ug/kg

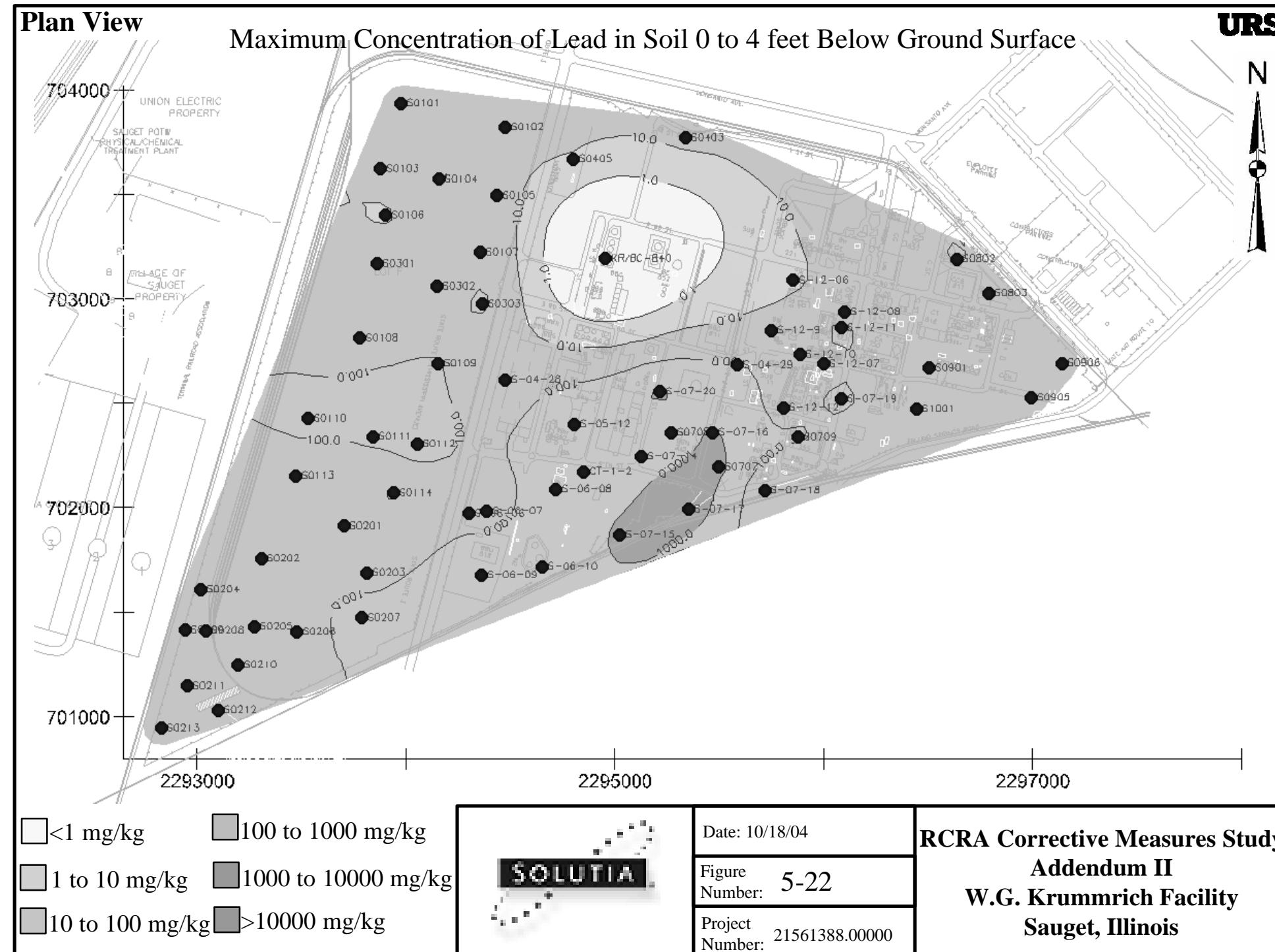
&gt;10000 ug/kg

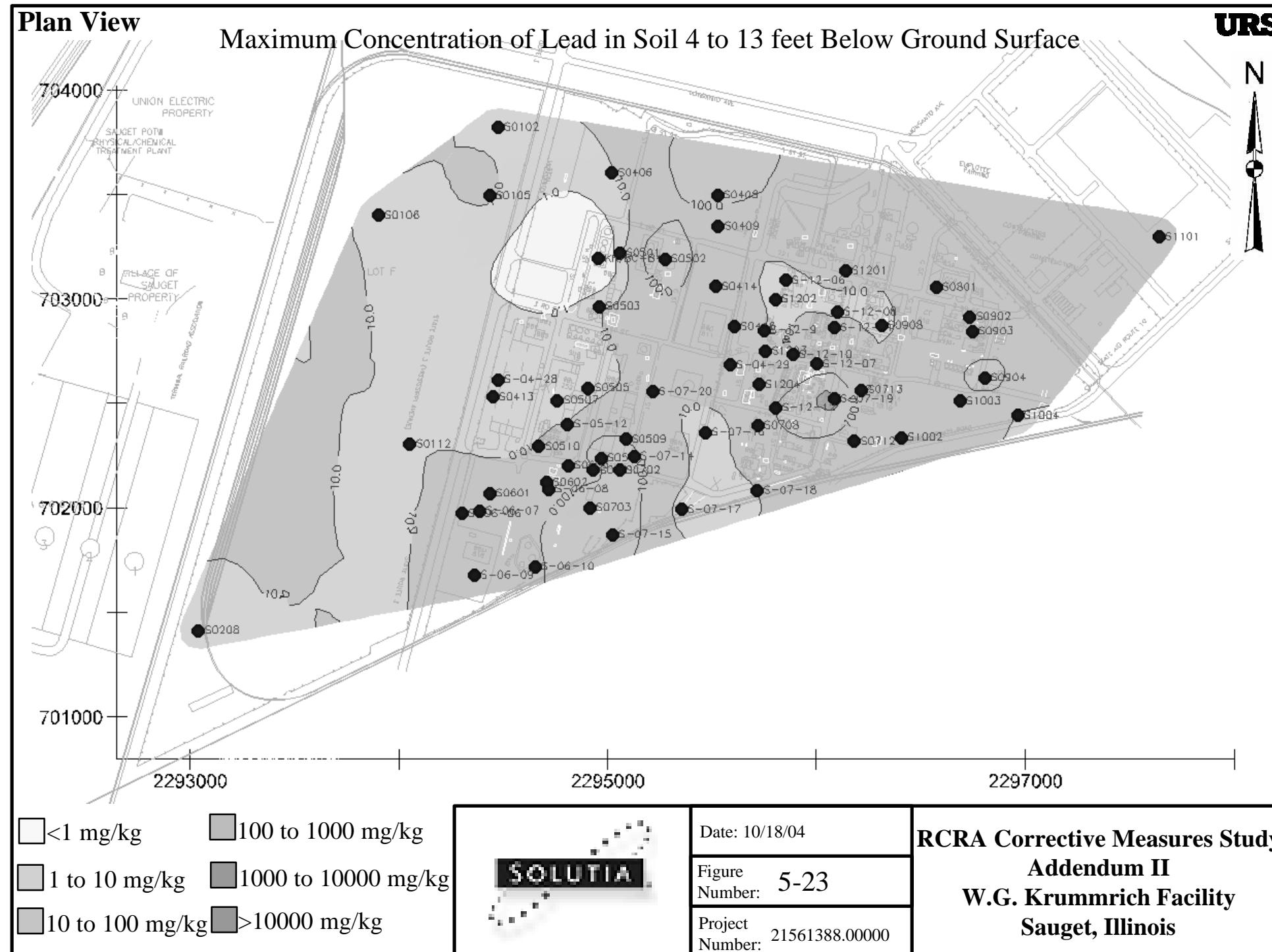


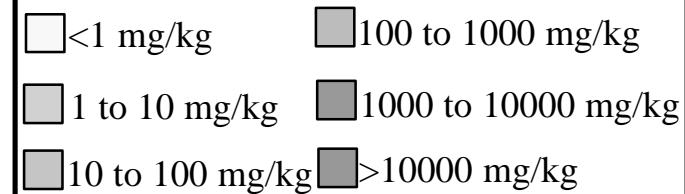
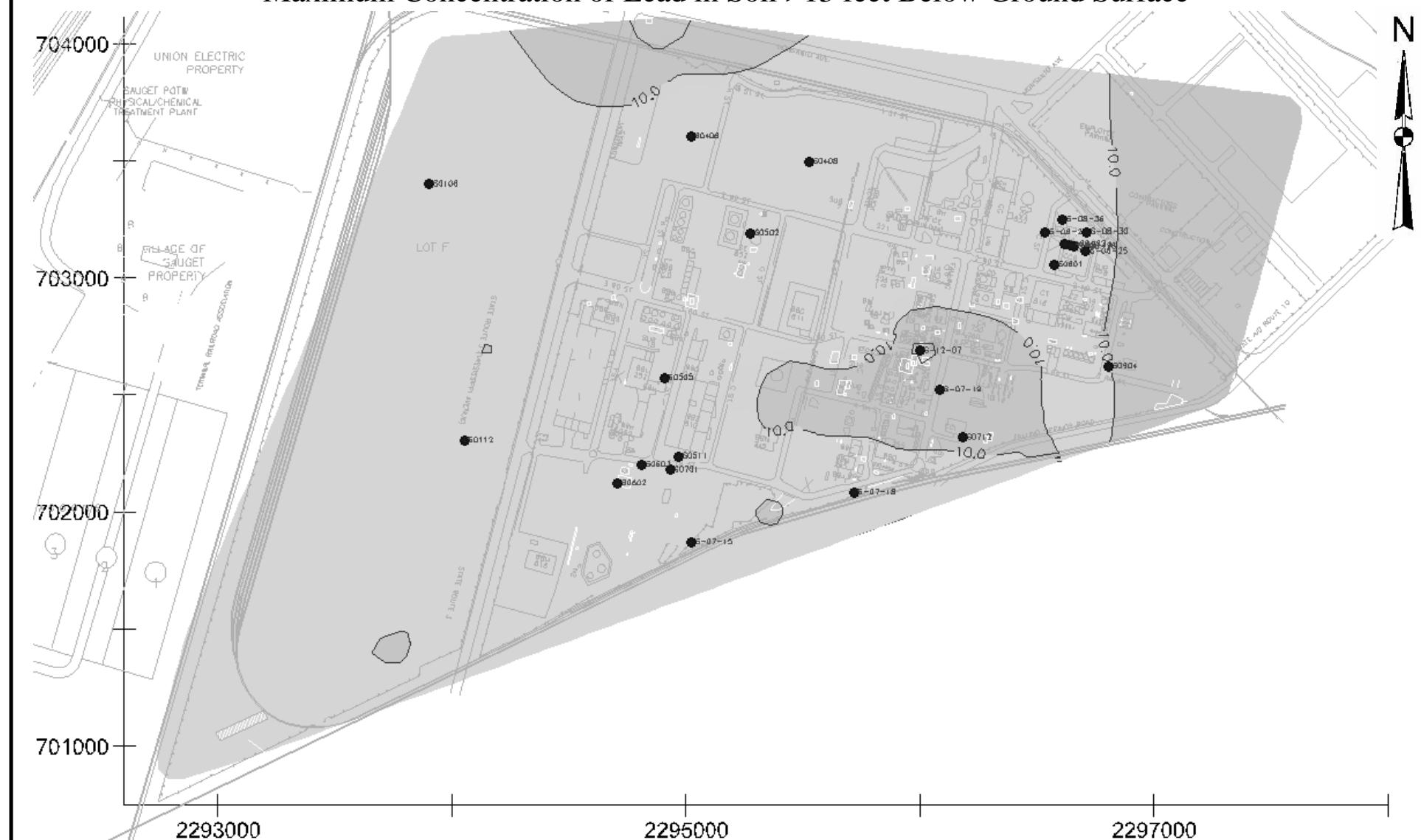
Date: 10/18/04

Figure  
Number: 5-21Project  
Number: 21561388.00000

**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**





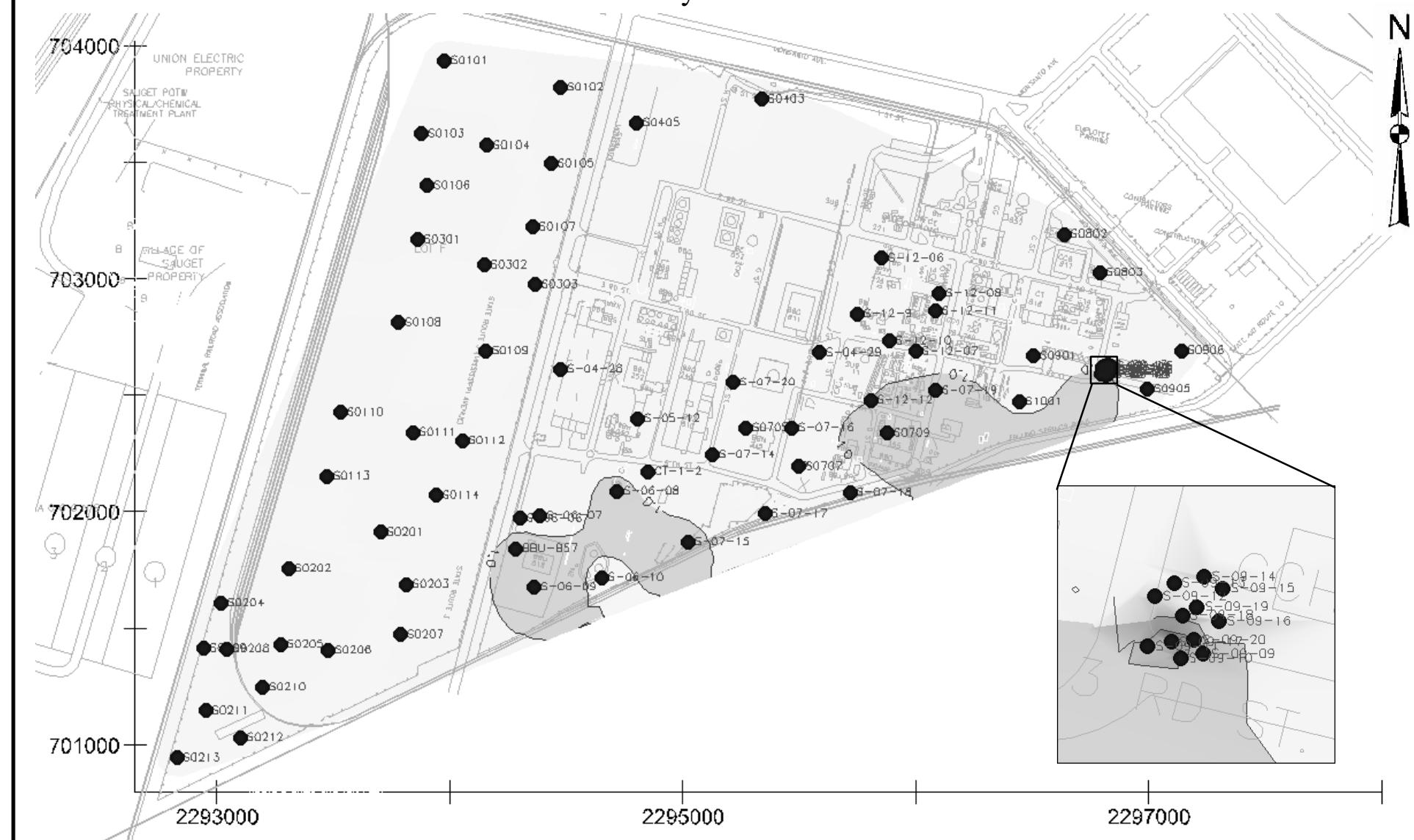
**Plan View****Maximum Concentration of Lead in Soil >13 feet Below Ground Surface****URS**

Date: 10/18/04
Figure Number: 5-24
Project Number: 21561388.00000

**RCRA Corrective Measures Study  
Addendum II  
W.G. Krummrich Facility  
Sauget, Illinois**

**URS****Plan View**

## Maximum Concentration of Mercury in Soil 0 to 4 feet Below Ground Surface



Date: 10/18/04

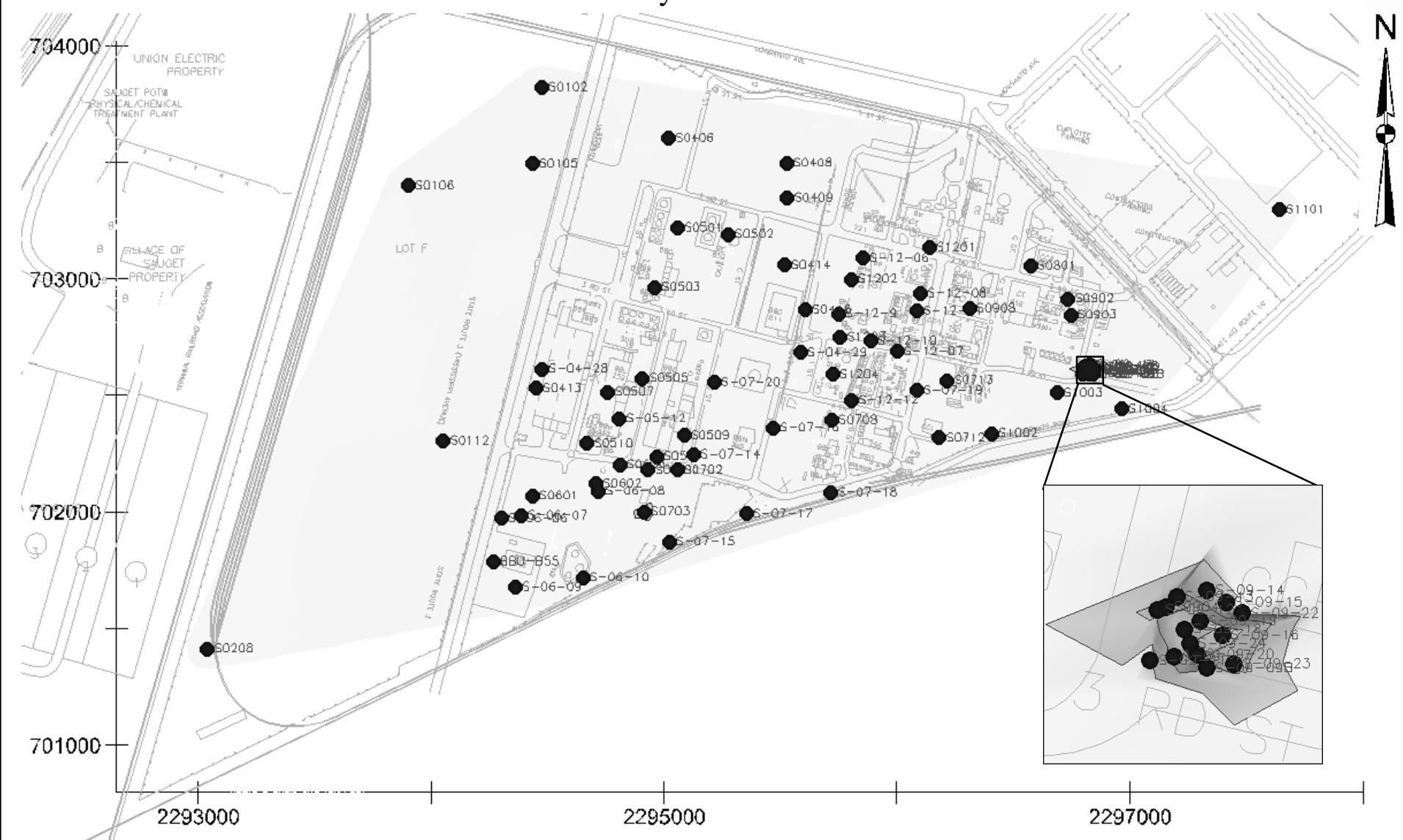
Figure  
Number: 5-25Project  
Number: 21561388.00000

**RCRA Corrective Measures Study**  
**Addendum II**  
**W.G. Krummrich Facility**  
**Sauget, Illinois**

## Plan View

## Maximum Concentration of Mercury in Soil 4 to 13 feet Below Ground Surface

**URS**



<1 mg/kg

100 to 1000 mg/kg

1 to 10 mg/kg

 1000 to 10000 mg/k

█ 10 to 100 mg/kg █ >10000 mg/kg

kg  >10000 mg/kg

SOLUTIA

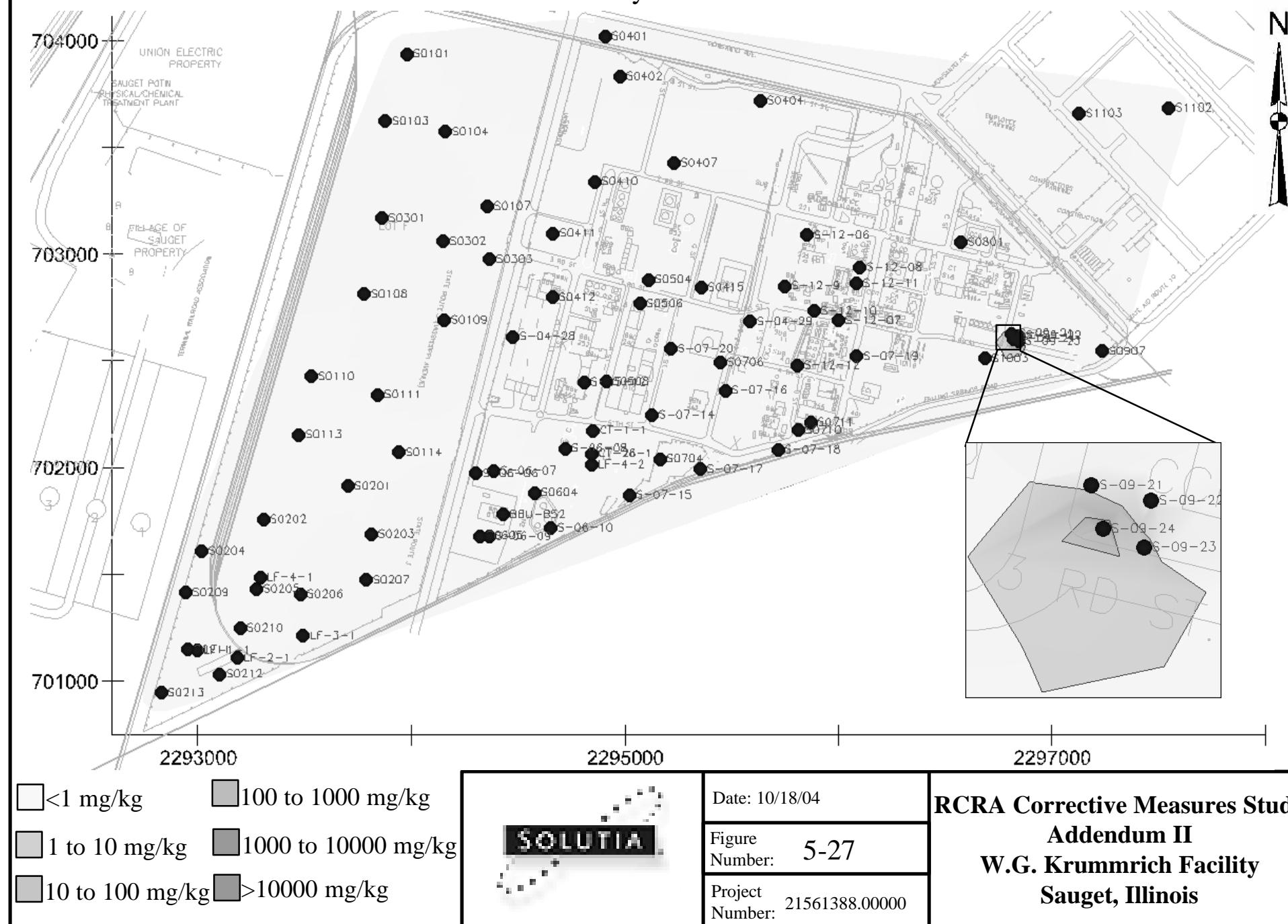
Date: 10/18/04

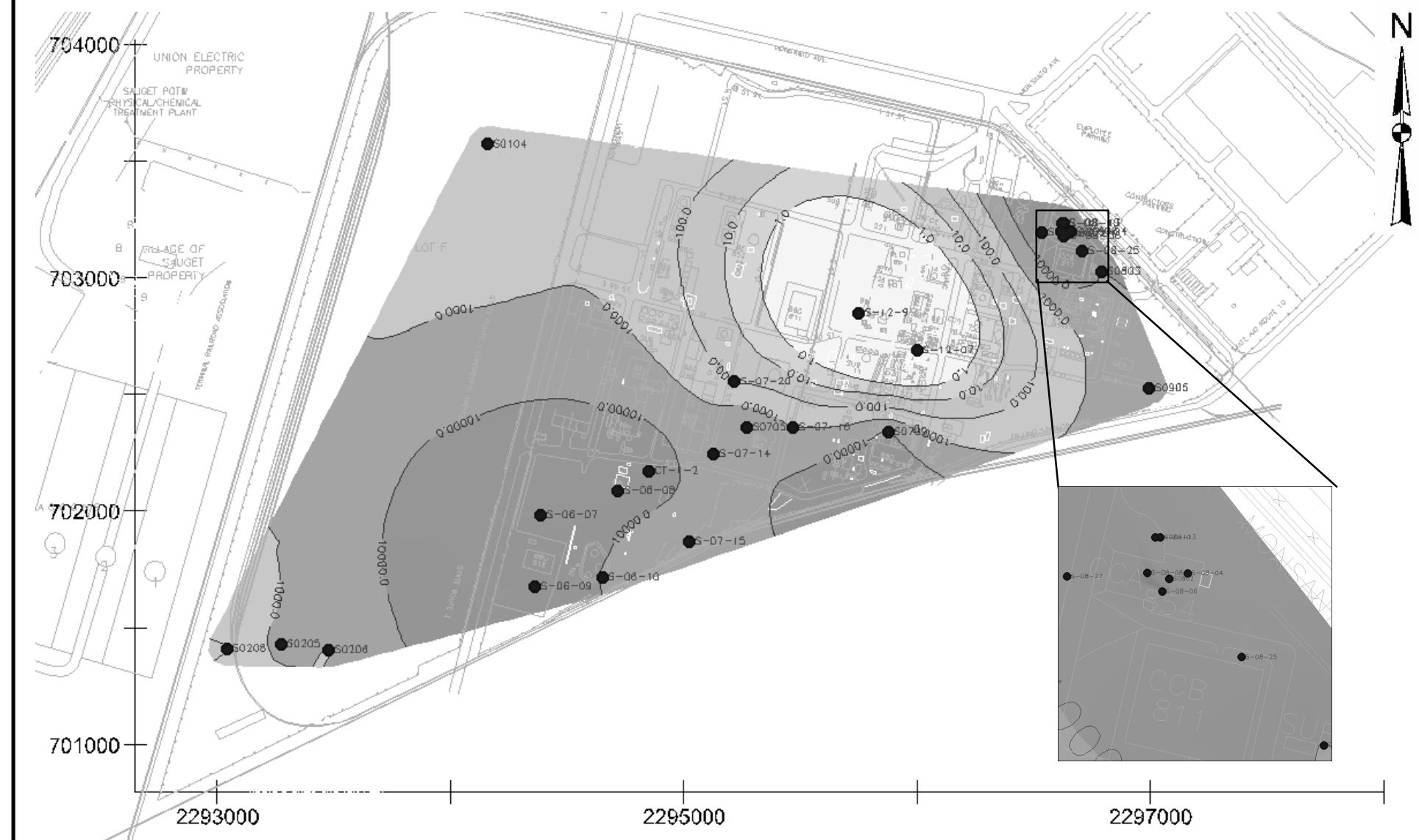
## **RCRA Corrective Measures Study**

## Addendum II

W.G. Krummrich Facility

## Sauget, Illinois

**URS****Plan View****Maximum Concentration of Mercury in Soil >13 feet Below Ground Surface**

**URS****Plan View****Maximum Concentration of PCB's in Soil 0 to 4 feet Below Ground Surface**

&lt;1 ug/kg

100 to 1000 ug/kg

1 to 10 ug/kg

1000 to 10000 ug/kg

10 to 100 ug/kg

&gt;10000 ug/kg



Date: 10/18/04

Figure Number: 5-28

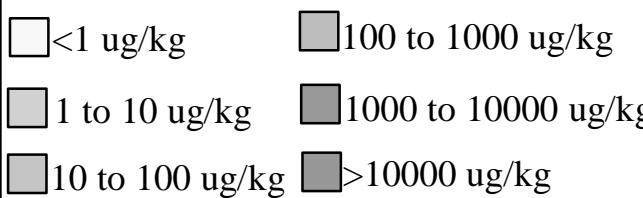
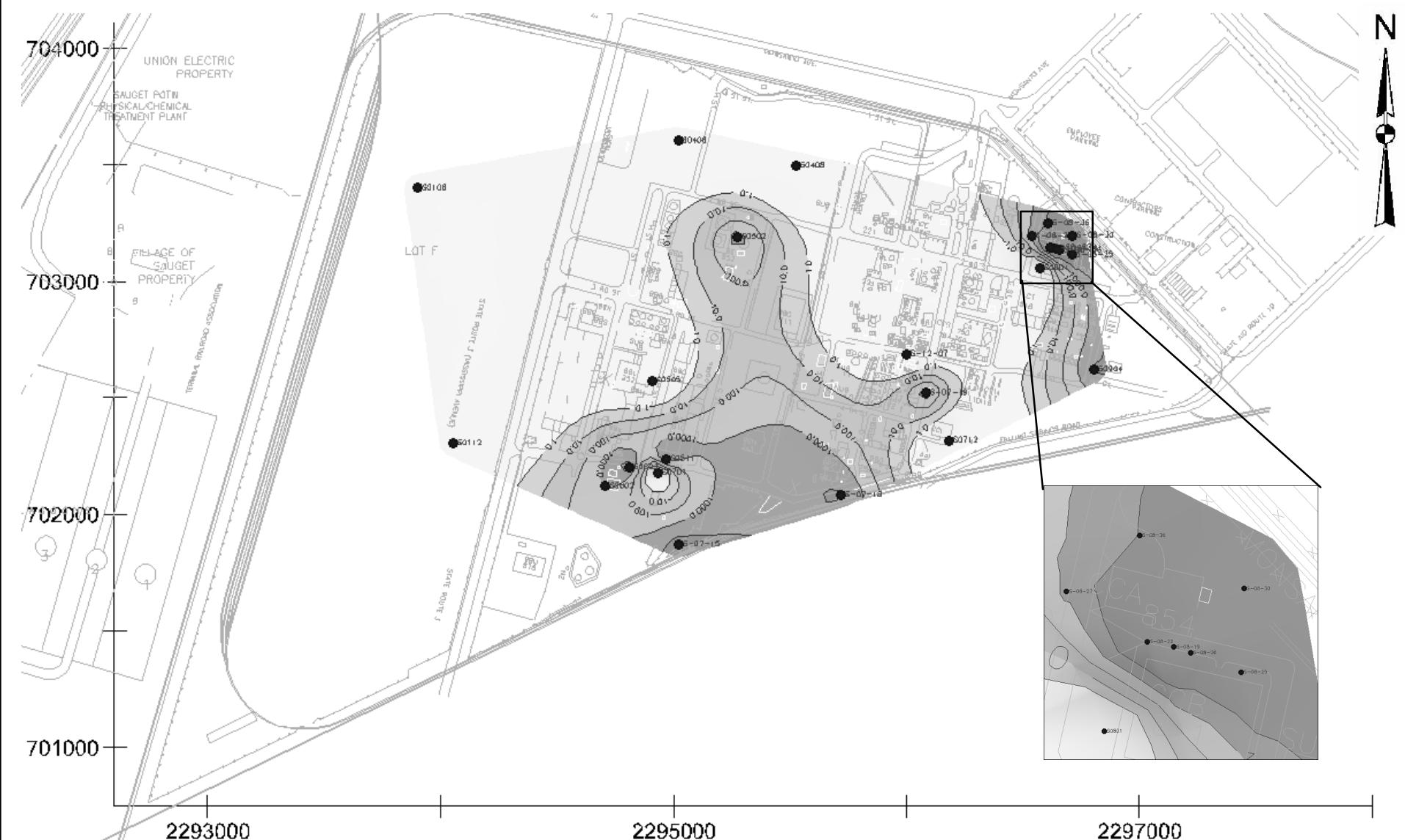
Project Number: 21561388.00000

**RCRA Corrective Measures Study  
Addendum II  
W.G. Krummrich Facility  
Sauget, Illinois**

## Plan View

## Maximum Concentration of PCB's in Soil 4 to 13 feet Below Ground Surface

**URS**

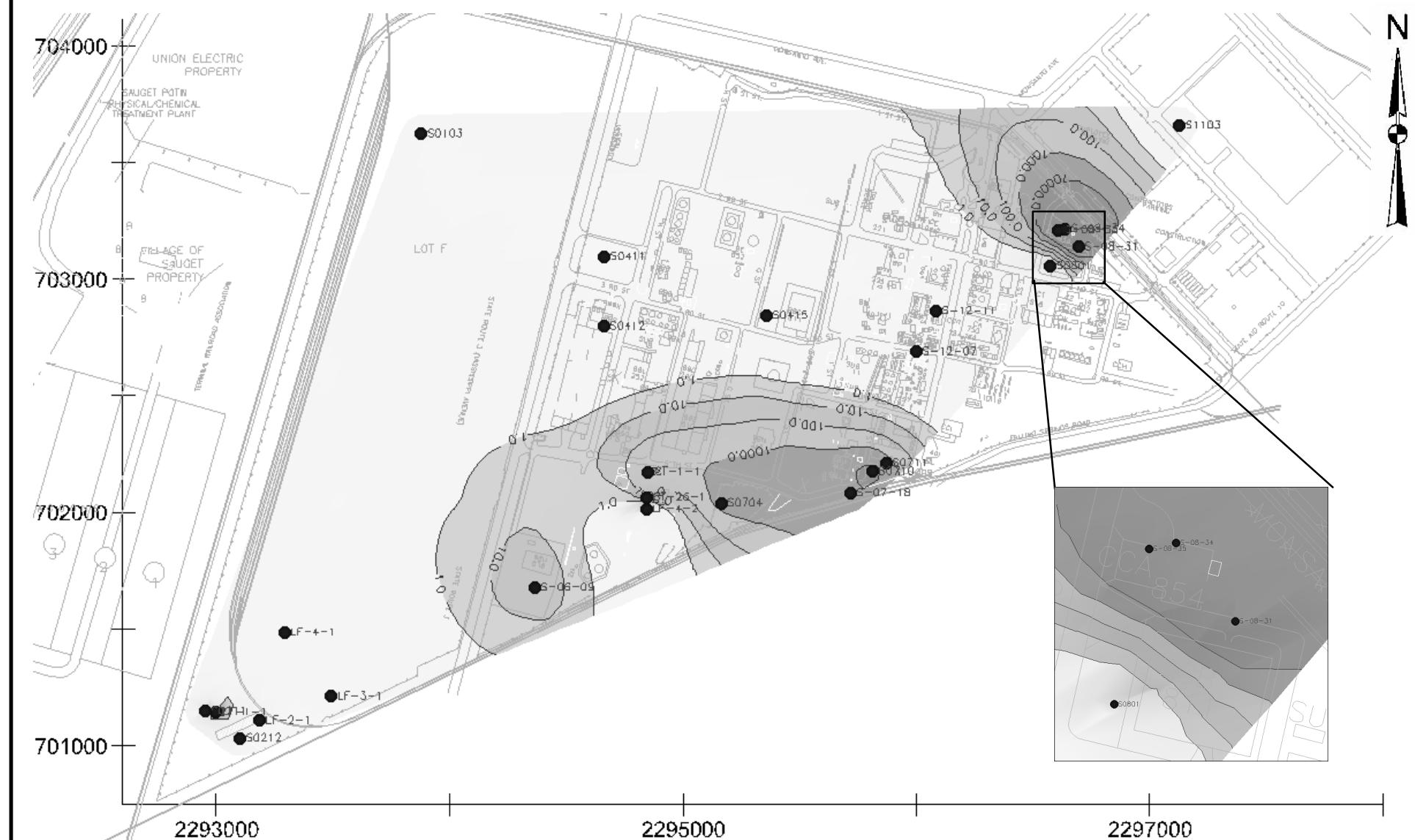


Date: 10/18/04

Figure Number: 5-29

Project  
Number: 21561388.0000

**RCRA Corrective Measures Study  
Addendum II  
W.G. Krummrich Facility  
Sauget, Illinois**

**Plan View****Maximum Concentration of PCB's in Soil >13 feet Below Ground Surface****URS**

**Table 5-1**  
**Soil Analytical Data**

Sample ID	Depth bgs	Benzene	Chlorobenzene	Ethylbenzene	Pentachlorophenol	Total Dichlorobenzenes	Benzo(a)pyrene	Dichloronitrobenzene	Lead	Mercury	Total PCBs
<b>Shallow Soil 0-3 ft bgs</b>											
BBU-B57	3 ft	230000	70000	N.D.	1900000	N.A.	240	N.A.	N.A.	5.2	N.A.
CT-1-2	0 - 2 ft	N.D.	9.1	N.D.	N.D.	N.D.	N.D.	N.D.	100	0.31	52000
KR/BC-B40	0 - 2 ft	N.D.	500000	N.D.	N.D.	N.A.	N.D.	N.A.	N.D.	N.A.	N.A.
NTF-B74	2 - 4 ft	170	2300000	N.D.	N.D.	N.A.	N.D.	N.A.	N.A.	N.A.	N.A.
PCB-B26	2 - 4 ft	N.D.	N.D.	N.D.	N.D.	N.A.	440	N.A.	N.A.	N.A.	N.A.
S0101	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	40	0.027	N.A.
S0102	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	29	0.033	N.A.
S0103	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	22	0.022	N.A.
S0104	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	110	0.055	180
S0105	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	35	0.05	N.A.
S0106	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	7.3	N.D.	N.A.
S0107	0 - 2 ft	19	6.5	N.D.	N.D.	N.D.	N.D.	N.A.	110	0.058	N.A.
S0108	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	39	0.03	N.A.
S0109	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	110	0.052	N.A.
S0110	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	1000	N.A.	300	0.29	N.A.
S0111	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	150	0.063	N.A.
S0112	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	320	0.061	N.A.
S0113	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	13	0.029	N.A.
S0114	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	7.7	N.D.	N.A.
S0201	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	52	0.036	N.A.
S0202	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	52	0.075	N.A.
S0203	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	51	0.03	N.A.
S0204	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	34	0.034	N.A.
S0205	0 - 2 ft	380	N.D.	330	N.D.	N.D.	N.D.	N.A.	46	0.71	2500
S0206	0 - 2 ft	14	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	61	0.038	870
S0207	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	190	0.037	N.A.
S0208	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	79	0.052	91
S0209	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	56	0.055	N.A.
S0210	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	22	0.024	N.A.
S0211	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	81	0.06	N.A.
S0212	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	37	0.044	N.A.
S0213	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	58	0.057	N.A.
S0301	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	26	0.058	N.A.
S0302	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	10	0.072	N.A.
S0303	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	160	0.025	N.A.
S0403	2 - 4 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	22	N.D.	N.A.
S0405	2 - 4 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	8	N.D.	N.A.
S-04-17	1 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-18	1 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-19	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.
S-04-20	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-21	1 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-22	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-23	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-24	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-25	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-26	1 - 3 ft	N.D.	N.D.	N.D.	N.D.	N.D.	1100	N.D.	N.A.	N.A.	N.A.
S-04-27	0 - 2 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-28	1 - 3 ft	660	190	N.D.	N.D.	N.D.	N.D.	N.D.	18	0.027	N.A.
S-04-29	1 - 3 ft	N.D.	5.4	N.D.	N.D.	N.D.	1200	N.D.	120	0.06	N.A.
S-05-12	1 - 3 ft	58	63	N.D.	N.D.	N.D.	N.D.	N.D.	1000	0.35	N.A.
S-05-13	1 - 3 ft	46	4500	6.2	N.D.	10000	N.D.	N.D.	N.A.	N.A.	N.A.
S-05-14	0 - 4 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-05-15	1 - 3 ft	17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-05-16	1 - 3 ft	3300	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-05-SMP277-01	1 - 3 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-06-06	1 - 3 ft	6000	210	N.D.	N.D.	N.D.	N.D.	N.D.	73	0.29	N.A.
S-06-07	1 - 3 ft	2400000	N.D.	N.D.	N.D.	3600	N.D.	N.D.	31	0.2	66200
S-06-08	1 - 3 ft	N.D.	690	N.D.	8400	430	500	N.D.	170	2.2	38900
S-06-09	1 - 3 ft	N.D.	810	N.D.	N.D.	N.D.	420	N.D.	660	4	1090000
S-06-10	1 - 3 ft	N.D.	320	N.D.	N.D.	N.D.	N.D.	N.D.	830	0.66	7800
S0705	2 - 4 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	230	0.11	10640

**Table 5-1**  
**Soil Analytical Data**

S0707	2 - 4 ft	N.D.	N.D.	N.D.	N.D.	N.D.	480	N.A.	1700	1.3	N.A.
S0709	2 - 4 ft	N.D.	N.D.	N.D.	N.D.	N.D.	390	3800	N.A.	130	13
S-07-14	1 - 3 ft	N.D.	N.D.	N.D.	N.D.	N.D.	1000	N.D.	470	0.13	1882
S-07-15	1 - 3 ft	N.D.	14000	N.D.	N.D.	450	620	N.D.	1300	1.7	1210
S-07-16	1 - 3 ft	11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1200	0.27	950
<b>Shallow Soil 0-3 ft bgs</b>											
S-07-17	1 - 3 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3300	0.3	N.A.
S-07-18	1 - 3 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	13	0.13	N.A.
S-07-19	1 - 3 ft	N.D.	2200	N.D.	N.D.	2600	N.D.	N.D.	140	1.9	N.A.
S-07-20	1 - 3 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1600	0.1	87
S0802	2 - 4 ft	760	1500	1500	N.D.	6600	N.D.	N.A.	120	0.81	2570000
S0803	1 - 3 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	30	0.54	8300
S-08-04	1 - 2 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1140000
S-08-06	3 - 4 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	168000
S-08-08	3 - 4 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	728000
S-08-10	1 - 2 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	3290000
S-08-13	1 - 2 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	2200000
S-08-25	1 - 2 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	2210000
S-08-27	1 - 2 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	98000
S0901	1 - 3 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15	0.18	N.A.
S0905	1 - 3 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	31	0.13	4620
S0906	2 - 4 ft	N.D.	N.D.	N.D.	N.D.	N.D.	600	N.A.	38	0.028	N.A.
S-09-09	2 - 3 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	2.3	N.A.
S-09-10	0 - 2 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	8.7	N.A.
S-09-11	0 - 2 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	18	N.A.
S-09-12	2 - 3 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.042	N.A.
S-09-13	1 - 2 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.24	N.A.
S-09-14	2 - 3 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.63	N.A.
S-09-15	2 - 3 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.23	N.A.
S-09-16	2 - 3 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.14	N.A.
S-09-17	2 - 3 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	160	N.A.
S-09-18	0 - 2 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.49	N.A.
S-09-19	0 - 2 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.88	N.A.
S-09-20	2 - 3 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	5.6	N.A.
S1001	2 - 4 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	41	0.72	N.A.
S-12-05	1 - 3 ft	9.9	32	N.D.	N.D.	N.D.	1400	N.D.	N.A.	N.A.	N.A.
S-12-06	1 - 3 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7.1	0.034	N.A.
S-12-07	1 - 3 ft	N.D.	640	N.D.	N.D.	28000	N.D.	5200000	51	0.27	N.D.
S-12-08	1 - 3 ft	8.6	N.D.	N.D.	N.D.	N.D.	570	N.D.	16	0.039	N.A.
S-12-10	1 - 3 ft	N.D.	49	N.D.	40000	N.D.	2500	N.D.	35	0.73	N.A.
S-12-11	1 - 3 ft	N.D.	N.D.	1100000	N.D.	N.D.	N.D.	N.D.	180	1.2	N.A.
S-12-12	0 - 2 ft	31000	30000	N.D.	N.D.	14380	740	N.D.	39	0.94	N.A.
S-12-9	1 - 3 ft	N.D.	13	N.D.	N.D.	N.D.	N.D.	N.D.	23	0.17	N.D.
SCT-B69	2 - 4 ft	N.D.	1500000	N.D.	N.D.	104000	N.D.	N.A.	N.A.	N.A.	N.A.
SOT-B65	2 - 4 ft	N.D.	840	4800	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>Intermediate Soil 4-12 ft bgs</b>											
S0501	11 - 13 ft	N.D.	170	N.D.	N.D.	N.D.	N.D.	N.A.	7.5	N.D.	N.A.
BBU-B55	6 - 8 ft	1200000	20000	N.D.	82000	N.A.	N.D.	N.A.	0.42	N.A.	
KR/BC-B40	6 - 8 ft	N.D.	1000000	N.D.	N.D.	N.A.	N.D.	N.A.	N.A.	N.A.	
NTF-B74	6 - 8 ft	N.D.	210000	380	N.D.	N.A.	N.D.	N.A.	N.A.	N.A.	
PCB-B63	4 - 5 ft	N.D.	90	N.D.	N.D.	N.A.	1400	N.A.	N.A.	N.A.	
S0102	4 - 6 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	7.4	N.D.	N.A.
S0105	4 - 6 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	17	0.035	N.A.
S0106	8 - 10 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	5.8	N.D.	N.D.
S0112	7 - 9 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	7.8	N.D.	N.D.
S0208	9 - 11 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	6.8	N.D.	N.A.
S0406	10 - 12 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	8.2	N.D.	N.D.
S0408	6 - 8 ft	N.D.	90000	9200	N.D.	N.D.	N.D.	N.A.	320	0.26	N.D.
S0409	10 - 12 ft	N.D.	460	900	N.D.	N.D.	N.D.	N.A.	12	N.D.	N.A.
S0413	10 - 12 ft	61000	390000	N.D.	N.D.	N.D.	N.D.	N.A.	3.8	N.D.	N.A.
S0414	4 - 6 ft	N.D.	N.D.	N.D.	N.D.	550	N.D.	N.A.	16	0.38	N.A.
S0416	3 - 5 ft	N.D.	13	N.D.	N.D.	1200	N.D.	N.A.	68	0.39	N.A.
S-04-17	10 - 12 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-18	9 - 11 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.

**Table 5-1**  
**Soil Analytical Data**

S-04-19	10 - 12 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-20	6 - 8 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-21	6 - 8 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-22	10 - 12 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-23	10 - 12 ft	N.D.	92	4.1	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-24	6 - 8 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-25	6 - 8 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-26	10 - 12 ft	N.D.	8900	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-27	4 - 6 ft	26	59	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-28	6 - 8 ft	1600000	1100000	N.D.	N.D.	N.D.	N.D.	N.D.	11	0.04	N.A.
<b>Intermediate Soil 4-12 ft bgs</b>											
S-04-29	6 - 8 ft	N.D.	20	N.D.	N.D.	N.D.	N.D.	N.D.	38	0.084	N.A.
S0502	6 - 8 ft	7900	560000	N.D.	N.D.	N.D.	N.A.	770	0.41	2506	
S0503	8 - 10 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	9	N.D.	N.A.	
S0505	10 - 12 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	5.2	N.D.	N.D.	
S0507	10 - 12 ft	N.D.	12	N.D.	N.D.	N.D.	N.A.	5.9	N.D.	N.A.	
S0509	3 - 5 ft	N.D.	N.D.	N.D.	N.D.	N.D.	1300	N.A.	96	0.25	N.A.
S0510	6 - 8 ft	N.D.	7	N.D.	N.D.	N.D.	N.A.	11	0.03	N.A.	
S0511	8 - 10 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	670	0.71	13930	
S-05-12	10 - 12 ft	N.D.	32000	N.D.	N.D.	N.D.	N.D.	9.9	N.D.	N.A.	
S-05-13	8 - 10 ft	220	10000	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	
S-05-14	4 - 8 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	
S-05-15	10 - 12 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	
S-05-16	7 - 8 ft	1100000	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.	
S-05-SMP277-01	9 - 11 ft	N.D.	540	990	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S0601	8 - 10 ft	55000	680	N.D.	N.D.	N.D.	N.A.	24	0.17	N.A.	
S0602	6 - 8 ft	N.D.	36000	N.D.	31000	1400	N.D.	28	0.065	1200	
S0603	6 - 8 ft	11	6	N.D.	N.D.	N.D.	N.A.	68	0.27	32300	
S-06-06	6 - 8 ft	N.D.	540	N.D.	N.D.	N.D.	N.D.	24	0.042	N.A.	
S-06-07	9 - 11 ft	1200000	1400	N.D.	N.D.	N.D.	N.D.	82	0.1	N.A.	
S-06-08	8 - 10 ft	N.D.	520	N.D.	160000	N.D.	N.D.	21	0.048	N.A.	
S-06-09	6 - 8 ft	N.D.	18000	N.D.	N.D.	N.D.	N.D.	33	0.13	N.A.	
S-06-10	10 - 12 ft	N.D.	64000	N.D.	N.D.	N.D.	N.D.	76	0.064	N.A.	
S0701	6 - 8 ft	N.D.	N.D.	8.4	N.D.	N.D.	N.D.	23	0.36	N.D.	
S0702	3 - 5 ft	N.D.	N.D.	20	N.D.	N.D.	N.D.	390	0.15	N.A.	
S0703	5 - 7 ft	N.D.	N.D.	16	N.D.	N.D.	N.D.	880	1.8	N.A.	
S0708	4 - 6 ft	N.D.	N.D.	14	N.D.	N.D.	N.D.	27	0.034	N.A.	
S0712	3 - 5 ft	N.D.	32	N.D.	N.D.	N.D.	N.A.	22	0.29	N.D.	
S0713	6 - 8 ft	8.1	3200	N.D.	N.D.	N.D.	N.D.	9.2	0.025	N.A.	
S-07-14	10 - 12 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	130	N.D.	N.A.	
S-07-15	6 - 8 ft	3000	58000	N.D.	N.D.	N.D.	N.D.	580	0.27	33000	
S-07-16	6 - 8 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5.6	N.D.	N.A.	
S-07-17	6 - 8 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5.3	N.D.	N.A.	
S-07-18	10 - 12 ft	N.D.	N.D.	480000	N.D.	16800	N.D.	10	0.032	12900	
S-07-19	10 - 12 ft	N.D.	90000	N.D.	N.D.	453000	N.D.	5600	0.57	5800	
S-07-20	6 - 8 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	8.9	N.D.	N.A.	
S0801	4 - 6 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	31	0.062	N.D.	
S-08-19	5 - 6 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1460
S-08-19	9 - 10 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	430000
S-08-22	9 - 10 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	2207000
S-08-23	5 - 6 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	930000
S-08-25	5 - 6 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	57200
S-08-25	9 - 10 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	333000
S-08-26	9 - 10 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	3130000
S-08-27	5 - 6 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1840
S-08-30	5 - 6 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1470000
S-08-36	9 - 10 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	10600
S0902	9 - 11 ft	10	120	N.D.	N.D.	N.D.	N.D.	30	0.051	N.A.	
S0903	10 - 12 ft	N.D.	220	N.D.	N.D.	N.D.	N.D.	14	0.038	N.A.	
S0904	6 - 8 ft	N.D.	N.D.	N.D.	N.D.	500	N.D.	390	1000	12800	
S0908	6 - 8 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7.6	0.025	N.A.	
S-09-09B	4 - 5 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	4.1	N.A.	
S-09-11	9 - 10 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.26	N.A.	
S-09-12	5 - 6 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	17	N.A.	

**Table 5-1**  
**Soil Analytical Data**

S-09-13	6 - 7 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	24	N.A.
S-09-14	6 - 8 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.8	N.A.
S-09-15	9 - 10 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1.3	N.A.
S-09-16	9 - 10 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	500	N.A.
S-09-17	7 - 8 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	28	N.A.
S-09-18	6 - 7 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	28	N.A.
S-09-18	9 - 10 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	23	N.A.
S-09-19	6 - 7 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	170	N.A.
S-09-19	9 - 10 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	140	N.A.
S-09-20	6 - 7 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	940	N.A.
S-09-22	7 - 8 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.51	N.A.
S-09-23	7 - 8 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	36	N.A.
S-09-24	7 - 8 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	24	N.A.
S1002	3 - 5 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	29	0.12
S1003	5 - 7 ft	34	N.D.	N.D.	N.D.	N.D.	580	N.A.	N.D.	35	0.22
<b>Intermediate Soil 4-12 ft bgs</b>											
S1004	6 - 8 ft	36	320	N.D.	N.D.	N.D.	N.A.	8.6	N.D.	N.A.	
S1101	10 - 12 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	18	0.041	N.A.	
S1201	4 - 6 ft	7.7	N.D.	N.D.	N.D.	N.D.	N.A.	24	0.044	N.A.	
S1202	7 - 9 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	7.6	0.025	N.A.	
S1203	3 - 5 ft	17	4000	N.D.	N.D.	N.D.	N.A.	15	0.25	N.A.	
S1204	6 - 8 ft	N.D.	7.2	N.D.	N.D.	N.D.	N.A.	10	0.31	N.A.	
S-12-05	6 - 8 ft	N.D.	8	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.	
S-12-06	6 - 8 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7.1	0.12	N.A.	
S-12-07	8 - 10 ft	N.D.	300000	N.D.	13000	4300	N.D.	2200000	27	0.061	N.D.
S-12-08	10 - 12 ft	12	150	N.D.	N.D.	N.D.	N.D.	N.D.	4.7	N.D.	N.A.
S-12-10	6 - 8 ft	N.D.	140	N.D.	N.A.	N.A.	N.A.	1100	11	0.047	N.A.
S-12-11	8 - 10 ft	60	91	16	490000	N.D.	N.D.	N.D.	43	0.049	N.A.
S-12-12	6 - 8 ft	42000	900000	N.D.	9600	227600	2400	N.D.	130	0.25	N.A.
S-12-9	8 - 10 ft	N.D.	290	N.D.	N.D.	N.D.	N.D.	N.D.	9.9	N.D.	N.A.
SCT-B67	10 - 12 ft	170000	23000000	3300000	N.D.	930000	N.D.	N.A.	N.A.	N.A.	N.A.
SOT-B64	6 - 8 ft	N.D.	N.D.	48000	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>Deep Soil &gt; 13 ft bgs</b>											
BBU-B52	14 - 16 ft	43000	190	N.D.	3200	N.A.	N.D.	N.A.	N.D.	N.A.	
CT-1-1	13 - 15 ft	8.2	N.D.	N.D.	N.D.	N.D.	N.D.	10	0.044	1230	
CT-26-1	13 - 15 ft	340	N.D.	N.D.	N.D.	N.D.	N.D.	7.6	0.037	210	
CT-2a-1	13 - 15 ft	N.D.	1400	N.D.	N.D.	N.D.	N.D.	N.D.	8	0.023	390
LF-1-1	18 - 20 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7.6	N.D.	279
LF-2-1	18 - 20 ft	8.9	8.3	N.D.	N.D.	N.D.	N.D.	N.D.	5.8	N.D.	N.D.
LF-3-1	18 - 20 ft	11	6.5	N.D.	N.D.	N.D.	N.D.	N.D.	7	N.D.	N.D.
LF-4-1	18 - 20 ft	88	8.6	8.4	N.D.	1300	N.D.	N.D.	6	N.D.	N.D.
LF-4-2	18 - 20 ft	480	N.D.	460	N.D.	400	N.D.	N.D.	6.6	N.D.	N.D.
NTF-B76	18 - 20 ft	210000	600	N.D.	N.D.	N.A.	N.D.	N.A.	N.A.	N.A.	N.A.
S0101	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	3.8	N.D.	N.A.
S0103	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	2.4	N.D.	N.D.
S0104	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	2.7	N.D.	N.A.
S0107	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	3.4	N.D.	N.A.
S0108	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	3.6	N.D.	N.A.
S0109	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	11	0.033	N.A.
S0110	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	6.3	N.D.	N.A.
S0111	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	4.4	N.D.	N.A.
S0113	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	5.7	N.D.	N.A.
S0114	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	3.8	N.D.	N.A.
S0201	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	5.6	N.D.	N.A.
S0202	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	6.2	N.D.	N.A.
S0203	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	3.9	N.D.	N.A.
S0204	14 - 16 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	2.9	N.D.	N.A.
S0205	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	7.8	N.D.	N.A.
S0206	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	10	N.D.	N.A.
S0207	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	11	0.023	N.A.
S0209	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	4.5	N.D.	N.A.
S0210	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	3.1	N.D.	N.A.
S0211	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	4.8	N.D.	N.D.
S0212	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	8.4	N.D.	N.D.

**Table 5-1**  
**Soil Analytical Data**

S0213	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	5.9	N.D.	N.A.
S0301	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	2.9	0.059	N.A.
S0302	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	5	N.D.	N.A.
S0303	13 - 15 ft	N.D.	8.1	N.D.	N.D.	N.D.	N.D.	N.A.	5.3	N.D.	N.A.
S0401	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	220	0.057	N.A.
S0402	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	5.3	N.D.	N.A.
S0404	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	3.8	N.D.	N.A.
S0407	12 - 14 ft	N.D.	200	N.D.	N.D.	N.D.	N.D.	N.A.	4.8	N.D.	N.A.
S0410	13 - 15 ft	N.D.	62	N.D.	N.D.	N.D.	N.D.	N.A.	3.9	N.D.	N.A.
S0411	14 - 16 ft	N.D.	25	N.D.	N.D.	N.D.	N.D.	N.A.	2.7	N.D.	N.D.
S0412	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	3.1	N.D.	N.D.
S0415	12 - 14 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	3.3	0.21	N.D.
S-04-17	14 - 16 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-18	14 - 16 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-19	14 - 16 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-20	14 - 16 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-21	14 - 16 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-22	14 - 16 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-24	14 - 16 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-04-25	14 - 16 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
<b>Deep Soil &gt; 13 ft bgs</b>											
S-04-26	14 - 16 ft	N.D.	740	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.	N.A.
S-04-27	14 - 16 ft	12	130	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.	N.A.
S-04-28	14 - 16 ft	230000	810000	N.D.	N.D.	N.D.	N.D.	3	N.D.	N.D.	N.A.
S-04-29	14 - 16 ft	21	22	N.D.	N.D.	N.D.	N.D.	N.D.	5.3	N.D.	N.A.
S0504	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	8.3	N.D.	N.A.
S0506	13 - 15 ft	340000	N.D.	2600	N.D.	N.D.	N.D.	N.A.	4.2	N.D.	N.A.
S0508	13 - 15 ft	N.D.	33	N.D.	N.D.	N.D.	N.D.	N.A.	3.7	N.D.	N.A.
S-05-12	14 - 16 ft	N.D.	890	N.D.	N.D.	N.D.	N.D.	N.D.	5.2	N.D.	N.A.
S-05-13	14 - 16 ft	N.D.	2400	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-05-14	14 - 16 ft	N.D.	41	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-05-15	14 - 16 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-05-16	14 - 16 ft	N.D.	230	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-05-SMP277-01	14 - 16 ft	N.D.	1900	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S0604	14 - 16 ft	N.D.	5300	N.D.	N.D.	N.D.	N.D.	N.A.	9.1	N.D.	N.A.
S0605	13 - 15 ft	N.D.	14	N.D.	N.D.	N.D.	N.D.	N.A.	4.1	0.028	N.A.
S-06-06	14 - 16 ft	460	320	N.D.	12000	N.D.	N.D.	N.D.	4.9	N.D.	N.A.
S-06-07	14 - 16 ft	1700000	5100	N.D.	N.D.	N.D.	N.D.	N.D.	4.7	N.D.	N.A.
S-06-08	14 - 16 ft	N.D.	240	N.D.	N.D.	N.D.	N.D.	N.D.	9.4	N.D.	N.A.
S-06-09	14 - 16 ft	N.D.	1200	N.D.	N.D.	N.D.	N.D.	N.D.	5.1	N.D.	110
S-06-10	14 - 16 ft	370	19000000	N.D.	N.D.	N.D.	N.D.	N.D.	7.7	0.027	N.A.
S0704	14 - 16 ft	N.D.	29000	15000	N.D.	460	N.D.	N.A.	7.8	0.04	2740
S0706	13 - 15 ft	150	3900	N.D.	N.D.	680	N.D.	N.A.	57	0.19	N.A.
S0710	13 - 15 ft	N.D.	1100000	N.D.	58000	N.D.	N.A.	5.3	N.D.	29100	
S0711	12 - 14 ft	N.D.	6100	N.D.	N.D.	N.D.	N.A.	8.8	0.08	2580	
S-07-14	14 - 16 ft	N.D.	39	N.D.	N.D.	N.D.	N.D.	N.D.	7.2	N.D.	N.A.
S-07-15	14 - 16 ft	N.D.	6.1	N.D.	N.D.	N.D.	N.D.	N.D.	5.7	N.D.	N.A.
S-07-16	14 - 16 ft	N.D.	400	N.D.	N.D.	N.D.	N.D.	N.D.	8.7	N.D.	N.A.
S-07-17	14 - 16 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	11	0.028	N.A.
S-07-18	14 - 16 ft	N.D.	5100	35000	N.D.	440	N.D.	N.D.	6.9	N.D.	5640
S-07-19	14 - 16 ft	N.D.	31000	N.D.	N.D.	1990	N.D.	N.D.	17	N.D.	N.A.
S-07-20	14 - 16 ft	37	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3.1	N.D.	N.A.
S0801	14 - 16 ft	6.6	150	6.9	N.D.	N.D.	N.D.	N.A.	6.5	N.D.	N.D.
S-08-31	13 - 14 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	2030000
S-08-34	13 - 14 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	85000
S-08-35	13 - 14 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	9300000
S0907	13 - 15 ft	58	65	N.D.	N.D.	N.D.	N.D.	N.A.	19	0.047	N.A.
S-09-21	13 - 14 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.68	N.A.
S-09-22	13 - 14 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.04	N.A.
S-09-23	13 - 14 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	2.2	N.A.
S-09-24	13 - 14 ft	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	37	N.A.
S1003	12 - 14 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	8.3	0.054	N.A.
S1102	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	19	0.036	N.A.
S1103	13 - 15 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	16	0.041	N.D.

**Table 5-1**  
**Soil Analytical Data**

S-12-05	12 - 16 ft	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.	N.A.
S-12-06	14 - 16 ft	N.D.	11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3.8	N.D.	N.A.
S-12-07	14 - 16 ft	N.D.	2000000	N.D.	N.D.	690000	N.D.	1000000	280	0.77	N.D.	N.A.
S-12-08	14 - 16 ft	18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.8	N.D.	N.A.
S-12-10	14 - 16 ft	N.D.	9100	N.D.	N.D.	1290	N.D.	490	6.9	N.D.	N.D.	N.A.
S-12-11	14 - 16 ft	N.D.	85	N.D.	310000	N.D.	N.D.	N.D.	13	0.078	N.D.	N.A.
S-12-12	14 - 16 ft	74000	540000	N.D.	N.D.	1720	500	N.D.	15	0.037	N.A.	N.A.
S-12-9	14 - 16 ft	8.2	2400	N.D.	N.D.	N.D.	N.D.	N.D.	4.3	N.D.	N.D.	N.A.
SOT-B65	12 - 14 ft	7500	300	40000	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

Notes:

1.) N.D. Means the analyte was non detected in the sample.

2.) N.A. Means the analyte was not analyzed.



LEGEND

- BUILDINGS AND ENCLOSED STRUCTURES
- CONCRETE
- ASPHALT
- CHIP AND SEAL
- ROADWAY
- GRAVEL
- GRASS
- TANKS



0 400  
SCALE FEET

RCRA CORRECTIVE MEASURES STUDY  
ADDENDUM II  
W.G. KRUMMICH FACILITY  
SAUGET, ILLINOIS

PROJECT NO.  
21561388.00000

**URS**

DRN. BY: djd 8/17/04  
DSGN. BY: tja  
CHKD. BY:

W.G. Krummrich Plant Process  
Area Surface Cover Map

FIG. NO.  
6-1